

# FIGURE 1

1	ggatccagaa	taacccaaaac	aatattgaaa	aataaagaac	agcgttgggtg	gattaacatt
61	ttccaatttc	aaaacttact	atagcactgc	ggtaatcaag	cagtgtggca	ctgtatagca
121	tgtacattac	agatcagtgg	actagaatca	atgtccagaa	ataaacggtt	atgtttataa
181	tgaattactt	tttaataagg	tgtcaagaca	acgcaatggg	aaaagaataa	tgaattcaac
241	aaatgatgca	tggacaaccg	gacatgcaca	tgcaacacaa	tgaatttgaa	ttcttctatc
301	gctccatgca	taaaaactaa	ctcaaaatgg	gtcacggatg	taaatgaaaa	gctaaaaacta
361	taataatcct	agaggaaaaac	ctaggagtaa	atctttaaga	tgttattgta	ggcagtgggtt
421	tctcagatag	gaccccaaaa	tcacaagcga	caaaaagaaa	ttggacttaa	agttaaatac
481	ttttgtgctt	caaacatcat	caagaaagtg	aaaacacaa	ccgcagaagc	aataaaaaatg
541	tctgtaagtc	atgtatccga	ttagagactt	ctatccagga	tatataaata	atgcaattca
601	atgataaaaa	agataaatag	cccagttttc	caaagagtca	agcatctgaa	tatacatctc
661	tccaaaaata	tacagatatc	caacaagcat	gtgaaaagat	gttcaaagcc	atttgccagg
721	tgcacaaacc	caagacagta	tgaggagatg	ctacagggac	tctgctgctt	cacagacatg
781	aagcgttgggt	gagaatgtag	gcagccgcct	ttggggactt	cacatccccg	ccgccccacg
841	cacggtgagc	tagtgtttaa	acttagccga	gatcaataca	cgcgactgtg	tgccccgtcag
901	accctgcgct	gccggcgggg	ctgggagagg	cgggcgccag	gagtgggcgg	gaacctgggg
961	gtcaggcccc	agccgcggga	agcgcgcccc	ggagcgcgcg	aaaccttctc	cacaccttctc
1021	caggcatttg	cccgccgcga	ttcagagagc	cgaccctgta	cccctggcct	cccctagaca
1081	gccccgcag	tccagatgtg	ccgtccccgc	tgccctccgc	gaccactggc	catctctggg
1141	cctgggcg	gttctcggcg	cccgccctgc	ccccgccagg	agccgcagg	ccagccagtg
1201	aagaagccc	cgctgaagg	agcctctgtg	ctccagaatc	catcctcagt	atcagcgctg
1261	gggtggcctc	ctccaggaag	cccttctgat	tctctcatgg	gtcgtctctc	ctctgcagac
1321	ccccggagca	ccccctgctc	caagtaccgc	aagtggcact	gagaacttgg	ggagagcaga
1381	ggctgtgcct	agatttgtag	ggagtccccg	cagctccacc	ccagggccta	caggagcctg
1441	gccttggg	aagccgaggc	aggcaggcag	ggcaaagggt	ggaagcaatt	caggagagaa
1501	cgagtgaacg	aatggatgag	gggtggcagc	cgaggttgcc	ccagtcacct	ggctgcagga
1561	acagacacct	cgctgaggag	agaccagga	gcgaggcccc	tgccccgccc	gaggcgagg
1621	cccgccag	cggcgccgcg	cgtgaagagt	gggagagaag	tactgcgggg	gcggggcg
1681	gggcggggg	gggggcgggg	gcagccggga	gcctggagcc	agaccggggc	ggggccggga
1741	ccggggccag	ggaccagtgg	tgggaggagg	ctgcggcgct	agatgcggac	acctggaccg
1801	ccgcgccgag	gctcccggcg	ctcgtgctc	ccgcggcccc	cgccatgcc	tcctacacgg
1861	tcaccgtggc	cactggcagc	cagtgggttcg	ccggcactga	cgactacatc	tacctcagcc
1921	tcgtgggctc	ggcgggctgc	agcgagaagc	acctgctgga	caagcccttc	tacaacgact
1981	tcgagcgtgg	cgcgggtgagc	gcgggcgggg	cacgggtgga	gcgcgggctg	aggtgcgtcc
2041	gggacccggt	ttggacggca	gaggcctggg	cgggggcgcc	gagggcccg	cggggcgcc
2101	cggacaggac	tgggggtgtc	caggaccctg	tcagggagg	cagaactgcg	gtggggcg
2161	ccctgggctc	ccagtggccg	gtgggtacc			

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# FIGURE 2

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1      ttgcacgctn ctcagccccc gctgtactat tgggtctacac gtgccatcgt ggtttgctgc
61     acccatcaac ccatcatcta cattaggtat ttctcctaata gctctctttc cccttgcccc
121    ccaccctcta acacgccctg ttgtgtgatg ttgacctccc tgtgtacatg tgttgtcatt
181    gtacaactcc tgcttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc
241    tgagaatgat gggtcccatc ttcatccttg tacctgcaaa ggacatgaac tcatccttta
301    atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca
361    ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca
421    tacgagtgca tgtgtcttta tggatgaatg attgataatc ctttgggcat ataccacta
481    atgggattgc tggacctaat gggttgccctg gatcctgac cttgaggaat caccacactc
541    tcttacagtg taaaagtgtc tctatatata ctcatccct ccagcatctg ttatttactg
601    actctttaat catcaacctt cttactggag agagaagggt taattaccac taatgacgag
661    cctttaatca aattgttgtt ggacccttcc caacttactt gcgaaggggt catttgtaaa
721    cttacgccac cttttgatgg ggcagttttt ctogtttatc cgcaaagatc ctgggggacc
781    ccttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagaggt
841    ggcgggttac aacccttgaa agtttctttt ttttttggg gcccttagt ttcaaaaaa
901    tcccttcgga ccaatttgcc ttttgttgcc aaggaatttt tccccctaa tccctagga
961    tctttccag ggcacacagg tgtatggcc tccccagaa ttttctctt gggtatccaa
1021   tgttataaga aaaaaaattg gggaattttt ttaaacctcc aataaaattt tttatagaga
1081   taaggccggt ttcatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1141   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg
1201   ggtcttcagc ccgtggtgaa gactgattaa cagtcataag aaggtaaagc tctaagtac
1261   ctgtaagaaa catacagctt cacacaatta ggcaaggagt ccaacttgga agaaagagt
1321   gcatagattc aaacctgat gccacaactt atgttaacc tcctgaggt ccaacttcca
1381   cacatgacag gagaatctca tcatgtacct caattaattg atatacagat tatggtaac
1441   attcaatgaa aaagtatgta aagtttctat cattctacta cagttggtat tcaacaaatg
1501   ccactttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtcaa
1561   ttcaacaaat ataatttgag cactgattac tcaataagca ttatgaggaa ctaaaatatt
1621   atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc
1681   ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaaagtag
1741   aaatttacag aaagatacct ggcaaaaacac ccaaatagtt tgaagttaaa aaatattcct
1801   ctgaataaca ccccatggaa atttttaag attataatgt gaattaaaat gaaaacatat
1861   aaccataaca aaaattgtag gatacaggaa aactggtgct catatagcat taactgttta
1921   cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaaactat
1981   gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga
2041   caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaaa agtagtttct
2101   tggaaaagat caataaataa aattggttga tataatttac tgatattagg agtgggaaag
2161   ataatcactg atcatagatt catgatgaac aagcttattt caataaatta aaaaactcag
2221   caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaagc tcaaaaaaag
2281   agaactcaaa tagtcctata tttatgaaaa aaaaaaacia aactgaattt gtatttaaaa
2341   actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt ttccatttta
2401   gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta
2461   caacacgttc tgcaagggtc gtattaccct gataccaaaa caaaggatat tacataaaaa
2521   cgacaccaat atccttcatg aacatagatt cttcaccacg gggctggaag gatccgnnnn
2581   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
2641   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag cagcccttg agccctggt
2701   gaataataga gattaggcta cagcgtgttc tactccaact ttatttgcct tctgagcatc
2761   taattccact ttgcaaaatg gacatttttt ttccctcttg agagtcagga aattaccagg
2821   tgtgccagga taatccttag tatcaactgt aaaatatcag tataaaataa tgagtaagca
2881   tatttcagtg ggtgtttata tgccttttgg tgcatagcat gagccaaagg cagataaaaa
2941   atgtgggctc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata
3001   tttctatatt ggcatacaaa aataatccac ttgtcatagg ataattgctc tagatgagg
3061   catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcataccgac
3121   cacaggcccc aatcattgtc tatcaaaaaa catgcttgtg tctcttttgg cttactatga
3181   aagggaagcaa gatcttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct
3241   agacactgng gatcaaattc tgtgaggtta aaaatacccc ataactcact ggatagaaat

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# FIGURE 2 (cont.'d)

3301	tcaaaatgct	cgctatgttg	attctatgat	caacttccaa	ggggaccttt	ntacctccta
3361	tcttcatcag	caagcaacta	cattgatttt	gtagcccagg	atctattccc	acgtcaaccg
3421	tgggtttcaa	atgtttgtct	tagctcaatg	gcctcttaag	ccactaacc	aatatgttgc
3481	tttttaccag	taaaaaagtg	catctgggga	ataagttggt	gtatatttgt	ggttcagcca
3541	gcccatagat	cgtccagagg	accccaggct	taggaggaat	cctcagattt	gagagccact
3601	gtcctgtatg	atgcagatag	cacagctctt	cctgaaaata	ggaattcaaa	tgaggaaaaa
3661	tgaaaactct	cctaattatt	ttcttctgcc	tctttcattc	caagctcatc	taattatcat
3721	gctctattgt	gaagaatcaa	agaaagaact	cataaatata	ccttttgtgc	ctgtattttg
3781	aatgtacgtt	gtgcatgtaa	gcctttgtgg	ttaagcaaat	gtcaagaaaa	tccctagtcc
3841	cattgcttac	agtcaatatg	gggcaattca	agcaaaagtat	atgcctctaa	tatggtttga
3901	aaattctgaa	agttcagaaa	aaatgttgct	acttcagcca	tctgatgtta	ctggatattg
3961	agaatgagac	ctcctctccc	tctgctttcc	tcatttccat	ctcctccttc	ctctttctcc
4021	tctctccctc	tcctttattc	tccttctccc	tcctctctct	ccatgcttac	tcccttccctc
4081	ttctccctct	ttcttcttta	ttctccttct	ccctcctctc	tctctctccc	ctttttcctc
4141	ccttcctctc	ctccctccct	ctcctttatt	ctccttctcc	ctcctctctc	tctctccccc
4201	ttttcctata	ttcccagatt	aggccatttt	caaaactggg	taaacattcc	ccaaaagcat
4261	ttatgacaga	gaattgacta	ggatctcacc	tgaatcacag	agcttgccca	ttgaacacag
4321	gcaaaagatca	agccattttc	tcttgatgtg	atgcttcagc	attttatgca	tttgaacaaa
4381	attttatgta	aaaaaaaagct	tagccctttg	gtgacgggga	ttccttttct	ggatgatctg
4441	ccaaagaatc	aagacccaac	gtccagctta	tcaaattttc	tctggacctt	tannnnnnnn
4501	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
4561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnccgtgggt	aagacttcca	cgtgaacttt
4621	aaagtagttt	tttccaattc	tgtgaagaat	gtcattggta	gcttgatggg	gatggcactg
4681	aagattttct	tcatttttat	gactgcatag	cattccatgg	agtatatgta	ccacattttc
4741	tttatccaat	tcactgttgg	tggcgaccta	ggtcaattcc	atgactttgc	tgttgtgaat
4801	agtactgcaa	tgaacatgtg	agtgcattgt	tcttttttga	ggaataattt	gttctctttt
4861	ggatatatac	ccagtaatgg	ggttgctggg	ccaaatggta	gttctgtttt	aagtcttttg
4921	agaaatctcc	aaactgcttt	ccacagaggc	tgaactaatt	gacattccca	ctgccatgca
4981	tgagcattcc	cttttctcct	cagctccacc	aacatctggt	gctttctgac	tttttgataa
5041	tagccattct	gatgtgtgag	atggtagccc	attgggggtt	cttttttttt	ttttaagaca
5101	gagtctcact	ctgtcaccta	ggctgtggca	caatgttggc	tcgctgcaac	ctctgcctcc
5161	tgggttcaag	tgattctcct	acctcacctc	actgagaagc	taggggttaca	ggcacctgcc
5221	accacaccca	gctaattttg	gtatttttgg	tagagacagg	gtttagccat	attggcaagg
5281	ctgggtctcta	actcctgacc	tcaggtgacc	cacctgcctc	ggcttcccaa	agtgtcggga
5341	ttgcatgcgt	tagctaccat	gggtgggttt	tgacttgcat	ttctctgatg	attagtaatg
5401	atgatccttt	tttcatacat	ttgttggcca	cttgatgtgc	ttcttttgag	aagtgtctgt
5461	tcatatcttt	tgccattttt	tcaatggggg	tgttttttcc	ttgtccagtt	gtttaagtta
5521	tttatagatt	ctggatatta	gtcctttgtt	gggtgcataa	tttgcaaata	ttttatctca
5581	ttctgtagg	tatctattta	atctgttgat	agtgtctttt	cttgtagaca	agttgttcag
5641	tttaattagg	tctcacttgt	caatttctgt	ttttgttgta	attgcttttg	aggacttaat
5701	cataaattct	ttcccaaggc	ccatgtccag	aatggtgttt	ctgagatttt	cttctaggat
5761	tcttttactt	caagggtctta	tattttaaat	tttaatccat	ctggagttaa	tttttgtatg
5821	tggcaaaagt	taggtgtcct	gtttttattt	tctgcatatg	gctagtcagc	tatcccagga
5881	ccattcattc	actaggaggt	cctttcccca	ttgtttactt	ttggcaactt	tgtcaaagat
5941	tagatggctg	taagtgtgca	gattttattt	tcagctctct	attctgttca	actggtgtag
6001	gtatctgttt	tcgtactagc	accatgctgt	tttggttact	gtagtcttat	tagtatagtt
6061	tgaagccagg	taatgtgatg	cctctggcct	tggtcttttt	gcttaggatt	gttttttggg
6121	ctctctgttg	ttgttgttcc	atatgaattt	taggacactt	ttttccaatt	ctataaaaaa
6181	atgacattgg	tagtttggtg	ataatagcat	tgaatctgta	gatagattgc	tttgggcagt
6241	atggccattt	taatgatatt	gattcttcca	atccctgagc	atggaatgtt	tttccattta
6301	tttgtgtcct	ctctgatttc	ttttagcagc	gttttatagt	tctccttgta	gagatctttc
6361	acctccttgg	ttagctgttt	tcctagggtat	tttaattttt	tgggcctttg	taagtgggat
6421	tgcaagcttg	aattggttct	tagcctgaat	gttattgggt	tatagaaata	ctactaattt
6481	ttgccatcca	ttttgtatcc	tgaacgtccc	ctgagtcatt	tgtaatttcc	cagaggcttt
6541	gtggagtctt	taggttttct	atttttagaa	tctattcttc	ccaaagagaa	atactttccc

FIGURE 2 (cont.'d)

6601	ctctcttttc	ctaactcgac	cccttttattt	attccttttgc	ccaaggcttg	gaaagccctt
6661	ccatactttt	ttaaaaagaa	cgtggaaaaa	ggcccccttc	ttattctcgt	ttaaaggaac
6721	cttccatttt	cgctgtcaaa	tggnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
6781	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
6841	nnntttgttg	ggaatatccg	gtgcttattc	ctcttcagga	gttttattct	tccaaaaatg
6901	cagcttttca	ttcctcctcg	tttttctttc	tgtgccaaat	gcctccagcc	tttccatggt
6961	ggtgcggtaa	gctagacatt	tttagtttgt	agtgattggt	ttcgtttgtg	tttgtatggt
7021	tttgtgccc	tagtcacttc	tgtaatgttc	gtttctgagt	ttcctttggg	gggattaacc
7081	tgccactgaa	gtgtcagctt	ccctgtcatg	ggactgtcct	tggaaatgaca	ggttttcctt
7141	ccaccatagg	atctgccact	gtgaaggaga	tgatgagagc	cccctgatca	ccccctgcc
7201	ctgcacagga	agcctccact	tctgtcacca	ggcctgcctg	cagcagtggg	tcaagagctc
7261	cgacacgcgc	tgtgtcgagc	tctgcaagta	tgagttcatc	atggagacca	agctgaagcc
7321	actgagaaaa	gtacgtggga	ggaagggatg	cttcaccctt	cctgaaacca	gtgaccccc
7381	gaaagctggg	gtctcagatc	atgaggtcat	ggcttgccctg	cgttcatttc	cttaaaaagc
7441	tggggctggg	gcttacattt	gcattgtaga	gattgttggt	tctggtgctg	attttcaagt
7501	ccctcttctc	aggaagaagc	tctttctgac	cattcataat	cttcttttct	ccttcaaagt
7561	aagactgctt	gcttgtcggt	gtcagtcctc	tggcctttga	ctacagactg	tttgtgacat
7621	atcttagcac	ctaattttat	acatattaac	tgttgacgtc	ctgcttctct	gattaggact
7681	gtctgttgga	gattagtatc	tccccagcac	ccagcacagt	gtagcataca	gtaaatttat
7741	ttgtatacac	ccatgataac	tatttgctgg	atgggagtg	gagtaggtgg	atagggaaaa
7801	gaaaggaagc	acaaacgttg	cgtgatgtgc	aactgtcttc	agaaaggacc	cacaggcatt
7861	gcatgacacg	cagctgtctg	gaggcccatg	tactgtctcc	ctctgagagg	agctttgtcc
7921	gccacactgg	cttctctgtt	aaattttgac	tgtttcatat	atctctctag	atgccagca
7981	caaaaaggtt	tgtctggaag	aataaaaaaac	tgttcctatc	tcagaacatt	aatatataaa
8041	ttgcaagata	agtcacataa	tcaaatacta	gccaatataa	tgctaaatgg	tgtgctggta
8101	gagcataaca	gtcattcaga	aaaggaaatg	ctcattatga	gctagagtgc	tggggaagtg
8161	gagcgatggg	agcctcatag	ggtgtttggg	ttttagagca	gttcttgaag	gatcactagg
8221	atttgagggc	agagtgcgaag	gagtttagag	aggtcaggct	gtctgtggag	taaagcatat
8281	cctagaaagg	tgaagggtga	cattgacagg	gtgtcaagct	acgtgcgttg	taggaagtag
8341	cagggagcat	ggggcactga	ggcactgact	ctgtattata	ggtaggaaga	ccagggaaact
8401	tgtatagtga	taaaatccca	gcagaaaaaca	accagattta	gagaaggctt	gtgcaaactg
8461	cttaaaaaaa	tgttttgccc	agtagaaaacc	ttgtaattta	ttgggtgcct	atctctatgt
8521	aatctctcaa	catgggaagt	ccttgaggct	ctattttcaa	ctaccctgca	tagactcatc
8581	tggaaagagg	ctgtgactag	ggttggcaaa	ggatatgtgc	agagtgttta	cacattgttc
8641	tttctctcta	cctttatgtg	ttttctcctg	attcggaaac	cagtaaataga	aaaagaaagt
8701	ctggctatth	ggagtaaatt	aatgagctcc	tagaggagat	gggactagca	gagtctgctt
8761	gtaccaggaa	ctcttagcgt	cgatttcgag	ctgttgctgc	caaagtagca	aggaccaaag
8821	agtgagcgtc	ttctgccatt	caccttcaca	atgtagtgtg	acccatctgc	tagtgtgttg
8881	tggcatcatc	aaccctcttc	ttccgctcgt	ccatgccagt	cagcacatca	gggagactta
8941	aaacgtagta	cctgggtcct	gggccaacat	actgttttca	ttaggactga	aatcatagaa
9001	ttctttatca	ggccatctta	tgtctgcttg	caagaataag	cagacaaggg	gatttttgat
9061	ggtagttctg	cattcatctt	gatcctggct	tcttttcatt	gcatagaaag	ttggctgcac
9121	ctggtacctg	gttgaagcca	agtgttttta	ggagaacaat	acttggggga	atgcatctag
9181	tttggggaagg	gagaagtggg	gtggaaaagcc	aatcttacct	acctacaatg	ctctcaccct
9241	accggagccc	ttccccagaa	gcctgagcct	cacactctgt	gttgtcttct	tagtgggaga
9301	agttgcagat	gacgtccagc	gagcgcagga	agatcatgtg	ctcagtgaca	ttccacgtca
9361	ttgccatcac	atgtgtggtc	tggctcttgt	atgtgctcat	tgaccgtact	ctgacggaga
9421	tcaagcaggg	gcaggcaaca	ggtgagttct	caggctggag	caagctcagc	atgggggccc
9481	ggatagctca	caggagtcct	ggggtcagag	gattttccag	ttagccaaaa	acgtctgggt
9541	ttccggagga	gggacatcag	ttaggaggca	ctagcctcct	ttttggcatt	tcttttgctg
9601	tgggtgtagt	ttttgaaacc	cagtcaaggag	agttcatatt	ctggagcatg	agaatctccg
9661	caaactacat	cctataaaaag	caggaaagtag	ctggacactg	tcttccactc	ttctttgact
9721	gagcaacatt	ggatgagttg	tgaatccatt	ggtcagtggt	gcaggcttgt	ggtccccaga
9781	tacttgaggc	tgagggatgg	aggattgctg	aggctcagga	gttcaaggct	gtagtgtgcc
9841	atgatcacac	ctgtgaatag	ccactgcact	ccagcgtggg	caacatagca	agactccatc





FIGURE 2 (cont.'d)

9901	tcttaaaaaa	caacaacaac	aacaaaggtc	ttcaccaggg	atctgcctag	gtcagcgagg
9961	tgggtcatca	agannnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
10021	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnggagtg
10081	acttcacccc	gtggtgaaga	tgcggcacag	actggcggtt	cctacggcgc	cttcactgga
10141	aagcgccctt	gtggtcctgg	ggagagggcg	gtccatccg	ccacccttcc	cggagctgcc
10201	cccgccatt	ctcatgggag	gaaatcgag	ggcgtgtgag	ccccgaccc	ctcgcccca
10261	cctctgccag	gaccggcgc	atttctgcac	tgtccgcgcc	cactgggaag	gaaactctct
10321	ttctcaattt	cctttaatga	ggacattgtc	ttttcagccc	tgccaccccc	tgcaatcgtc
10381	ttccaggctg	caaacagcga	gtggggaggt	gaacacatca	gcttttcttc	cctccacacc
10441	accaggaaat	ttcgcaaacc	acttggtctc	cggcggcctg	gcctcgccac	acctgtgcc
10501	acagtctctc	tccgtctgag	ccccctgtgc	cattctccag	gccccacgta	cctctgcctg
10561	ggcccagtaa	gacctggtca	gatggccccc	ggctgcaaag	ccttcctggg	ccccatcaga
10621	gaggacgccc	aggtgaagcg	agggtccctt	gcccaccctg	caagcgaggg	ggccttcca
10681	agagtgcagc	cctaggccgg	tgtgtgatgg	tggagacgag	gtcccagagg	gcctgaacca
10741	agaatggaga	agacaaaggc	tgtctttagg	gagaaacttc	cctgaggggc	tgatgtgtgc
10801	gatcccattt	taatctcaca	accctgggga	ggagctgggg	ccgggtctca	ttgttcattt
10861	gaggacaccg	aggctcaggg	aacttagacg	actttcctag	ggtcccccac	accccaccg
10921	gcccaggccc	ctctcccagg	cacccctcat	ccccacacag	gctcctctaa	gctgcttctt
10981	tgtggtccag	cccccttggc	tcagctcttc	aaatacaggg	acacctcttc	tctccccgc
11041	agaactcaag	ggtctccatc	cactgtgcca	gcacagaggc	ggtgctcaga	gtggggctaa
11101	gcttactgtc	cagcctgctg	ggccaggagg	ggcagaaggg	cccctctcag	gattccttcg
11161	ctctgctcct	gccaataggc	catcactcaa	ggggctaatt	acaggacgat	gtggagaaac
11221	gtgggctgca	gcacttctgg	ggccaagggc	agggtgggcg	gcactgggga	gtacagggga
11281	ggggacctca	ctggggccag	aggcttctag	aagcttctgc	aagaaggggc	ccctcaccca
11341	tgctctggcc	aagaagtggg	gagggtgggt	gtggcaaagg	aaacagctag	gtcagagaca
11401	agagatgctc	tgcaaagccc	tgtgtgctcc	ccacggtgga	gcatacctatg	catgtaggac
11461	ctgagagatg	gcaggggccc	gtgcgtccct	atggatgtat	ctccatttct	gggcagagac
11521	atctgggctc	tcacctgcaa	ttgagccaac	caagaaatta	tatttacttt	ttagagcgag
11581	cctccaacaa	attatacaag	cacttgagaa	taagccctcc	cactgtcttg	agagatggag
11641	cccagggagg	cagctggaag	gatgctcctg	ccctcactca	ggagagatgg	tggagctggg
11701	agaggaggag	gcactccctg	ggaccagca	gatggacttg	actcagcaaa	tagatgcaac
11761	catatgtggg	gggtggggag	gaccagaaa	gcattacagg	ccagtgttct	taatcctggc
11821	tatacactgg	aatccaccag	tagccctaaa	atataactgt	gctggacttc	ccctggttcc
11881	acagtthgtg	cagagtgggc	agcatggagt	ctgtaacact	aaacacacag	gattgagaac
11941	catatgtcta	ggctgttggt	agccatgatg	gggatacatg	aaaaggagg	gcacagttac
12001	cttctatacc	acaggatagg	tgctcattaa	accctgttaa	aatggactgt	gacccagctg
12061	gcactcaggg	gcactcaggg	gccaggtggg	tcacactttc	attttaatag	gatttaatga
12121	gcacctattc	tgtgacagct	gctaagatac	agaggtcctt	gagatacaga	gatgacaatg
12181	accttcagaa	acactgaaca	gagataagaa	aggcacagtc	tggccttcac	tccaccatta
12241	attcctccat	ccatccatcc	atccatctat	ccatccatct	ctctgtctat	acttccatcc
12301	atccaccatc	cattcaccat	ccaccatca	atccatccac	ccatctatcc	atccatccat
12361	ctcactatct	gtcatccatc	catccatcca	ccatccatga	atccatccat	ccgtatatca
12421	atttctcatc	tatctctcca	tccatcccc	atccacctct	tcttccatcc	ttcctccttc
12481	ccttcaccca	tccattcatc	atccatccct	caaccatcc	atctgcctgt	ccatcggttt
12541	gattgtccat	ctgtccagta	ttcctccatt	ccctccaaac	tgggtggcag	tactctccac
12601	ctcactacct	caccatcctt	attattccct	ccaaactgtc	tctttcacaa	gggccttctg
12661	tcctgcctgt	cccatcctgg	tctgggacct	atcccactaa	agctacatgg	ctttgatcaa
12721	caatcccaat	cccagagtag	gggaagggaa	gtgagccctt	aactgccgtg	atgtttccag
12781	ggagatgggt	gatactgctg	cattactaat	ccagatgtta	ggttttaatt	tttctctcca
12841	gtagacccca	attgtggtag	gagaaaaatg	ccccagcttt	ggacacaaac	agacctggat
12901	tcaaactcctg	gttttgccaa	tttctgccta	aatgacttta	ggcaaactcc	ttgaccttga
12961	ccccctggag	actcagtttc	ctcacctaga	aatggtcaat	aatattatth	acctcccagg
13021	atggccatga	agcttaaaat	agattattgt	accccccaaa	acaccgacac	aatgtttaga
13081	aataaataat	attattttta	gctttgaagt	ctggctgggt	tctcagcctc	gtctacctgc
13141	tgggtgtgca	gactcaaagc	cagggtccca	ccctcataga	ctgtcatctg	tgggtgtggg

FIGURE 2 (cont.'d)

13201	gttggcctgg	cactagcagg	tgctaagtct	cctcagagga	ttctaggtgt	aaaaggaaat
13261	gaaaatcttt	ggaccccaat	tcactctgcc	aaaagggaaa	aattaagctg	aaagctgagt
13321	gatgcaagaa	acgaagatag	ctacagataa	aaggtgaaaa	cctccacagg	tagctcttgg
13381	tgttcacctt	atcaagtgtc	gatgtactaa	gcgcaagagg	aatacataac	tgactattcc
13441	cctacctgct	ccttttcttt	tgcaacatgt	ggattcagta	acgtgaccat	gccctccctt
13501	tcttccttcc	agcctgttct	ccttttaaata	ttgatgccct	taaagacatc	ttcggaaaaa
13561	ggcacagtcc	accaactgtt	cctgtggatt	tggtttcctt	ttttccgtgt	atgtcttttt
13621	ttttattatt	atactttaaa	ttctaggata	catgtgcaca	acgtgcagga	ttgttacata
13681	tgtatacatg	tgccatgttg	gtgtgctgca	cccattaact	cctaattagg	tatatctcct
13741	aatgctatcc	ctccccctc	tccccacccc	atgacaggcc	ctggtgtgtg	atgttccctt
13801	tcctgtgtcc	aagtgttctc	attgttcaat	tcccacctat	gagtgagaac	atgcggtgtt
13861	tggttttttg	tccttgcgat	agtttgctga	gaataatgg	ttccagcttc	atccatgtcc
13921	ctgcaaagga	cattaactca	tcctttttta	tggtctgata	gtattccata	gtgcatatgt
13981	gccacatttt	cttaatccag	tctatcgggt	atggacattt	gggttggttc	caagtctttg
14041	ctattgtgaa	tagtgccaca	ataaacatac	gtgtgcatgt	gtctttatag	cagcatgatt
14101	tataatcctt	tggttatata	cccataatg	ggatggctgg	gtcaaattgg	atttctagtt
14161	ctagatcctt	gaggaatcgt	cacactgtct	tccacaatgg	ttgaactagt	ttacagtcct
14221	accaacagtg	taaaagtgtt	cctacttctc	cacatcctct	ccagcacctg	ttgtttcctg
14281	actttttaat	gattgccatt	ctaactgggt	taagatggta	tctcattgtg	gttttgattt
14341	gcatttctct	gatggccagt	gatgatgagc	atttcttcat	gtgtctattg	gctgcatgaa
14401	tgtcttcttt	tgagaagtgt	ctgctcatat	cctttgccca	ctttttgatg	gggttgtttt
14461	tttcttgtaa	gtttgtttga	gttgtttgta	gattctggat	atcagccttt	tgtcagctga
14521	gtagattgca	aaattttttt	cccattctgt	aggttgccctg	ttcactctga	tggtagtttc
14581	ttttgctgtg	cagaagctct	ttagtttaat	tagatcccat	ttgtccattt	tggtttttgt
14641	tgccattgct	tttggtgttt	tagacatgaa	gtccttgccc	atgcctatgt	cctgaatggg
14701	attgcctagg	ttttcttcta	gggtttttat	ggtttttaggt	ctaacattta	agtatttaat
14761	ccatcttgaa	ttaatttttg	tataaggtgt	aaggaaggga	tccagcttca	gctttctaca
14821	tatggctagc	cagtcttcac	ccggggctga	aggtaccgct	tnnnnnnnnn	nnnnnnnnnn
14881	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
14941	nnnnnnnnnn	nnnnnnnnnn	nacaatgaga	acacatggac	acgggttggg	ggggtatcac
15001	acactggggc	ctgttgggct	atggggggct	ggggagggat	agcattaggg	gaaataccta
15061	atgtagatga	caggttgatg	ggtgcaacaa	accaccatgg	cacatgtata	tctatgtaac
15121	aaacctgcac	attctgcaca	tgtaccccag	aatttaaagt	ataataagaa	aaataaaaaa
15181	aaataagtta	aaagagatta	aaaaaataaa	agagaacatt	tgccacattc	agtctttcta
15241	gatggaaaga	ggttgctgac	atatgataga	attagaaaaa	cacacatctt	gtaaaattctc
15301	atttgtttaa	aaagaaatca	tacaaattag	atgttttttg	gagatgactt	tttaaaatag
15361	agtcgttaga	tcacctctgt	aagggatatg	tctatatctg	ttcagtgggt	taggggacat
15421	ggatctggaa	agcctgagaa	gaaaaagaag	gttctatacc	agacttgtga	tatttagaca
15481	ttttcatatt	ctatccattg	ttttgtgtgc	attttattcc	tcactattgt	atatatagtt
15541	gacaatgcta	aacttttttg	tgtattcttt	ctatgtgttc	cgaatgccta	atatatgtca
15601	aaattagcgg	tagtaaaaata	atattttgta	aatatctttt	tgctaaaatt	catatgaaat
15661	gttggttttg	gaggggaatg	gccaaactac	ctgttgagta	atactcatcg	tgtttgtgtc
15721	ctggttcagg	ggaggaggaa	ggaggggaaa	gtgcagagag	ctctatgccg	ctgtgtttac
15781	agtgaggcaa	gattaaccat	tatctcttat	gtctgtgcat	tttggttttac	ttatctgttt
15841	atgtagtgta	tataaaggac	aaacgagtc	taatttacia	catctagtct	ttttagatgt
15901	ttaaagagggt	gccagtgtat	aacaaaagta	gagttagtaa	actaatatat	tttgatatatt
15961	ttgttttaaa	attcctagga	aagattgtct	tcctatcttt	gagcattctt	gcgcactgag
16021	ttgatggaga	tggtggggat	tctaagctag	gatgttctta	tttggaagac	tctttcaaat
16081	tataactatg	gttacatgta	tgcagtttat	tcgagactgc	tgtgtatata	gtggacaaat
16141	taactcctta	cttgaaacac	ctagtttatc	tagatgttta	gaagtgcctg	atgtacgtta
16201	aatgtagagg	taataaaaata	ccactttgta	aatatctttt	tgctaaaatt	cataggaaat
16261	actgtctttt	agaaatttaa	ttgttaagcc	acctttgtga	gcagtatagt	actgtctata
16321	cttgttcaat	ggttttagagg	aggtgggagg	gaagaaaaat	atgtgactga	cttatttcac
16381	taagccta	gtctttaagt	ttcattcatg	ttgtggcatg	tgtcagaatt	tccttctctt
16441	ttaaagctga	ataatattgc	attgtataga	tatattacct	tttatttatc	catttatcca

FIGURE 2 (cont.'d)

16501	tcaatagaaa	cttggggttg	ttccatattt	tagctatcat	gaatattgct	gccatcaaca
16561	tggttgattc	ctgtattcaa	ctctttgggt	aatacccaga	agtgaattg	ctgaataagt
16621	atggtaattc	tctgttaa	ttttgaggag	ctgctgattc	atacttttac	gtataaaata
16681	ttagacctta	aatgtattat	gtaaaaacac	taagtatttt	taacattcta	gagtaaagaa
16741	gggtgtttctt	agcaagacag	aaaagctgaa	accctcaata	gaaaagcctt	gttaatgtta
16801	tcacataaaa	tattcaaaat	ttctgaacac	acagacacac	acgcactaac	gaaaagctat
16861	ttacaacttg	tggtagatga	agaaataatt	tcttaacata	gcaagaaccc	aggcaaatga
16921	ttaagaaaaa	gaataatcat	acaaatttaa	tacatgtgag	aagctgttca	gcctttccca
16981	ttaattaaag	aagtaaaata	taaaacaaaa	catataattt	ttcacttagc	agagatgaaa
17041	tacccaaaaca	gatgggtata	gggtgtggaac	atacttcctt	ggttgacagt	tagccaatat
17101	ctattaaaaat	cccttgccac	agtaatttca	gttctagaca	tttgtcttat	attactgtat
17161	ttattctgtc	ctgtaaccat	aaattccaca	gctgcctagt	gatggttcta	tatttaaatg
17221	gaatgcttac	tctcagtatt	gttttttctt	ttgagatgga	gtcttgttct	gttgccaggc
17281	tggagtgcag	tgccatgac	tcagctcact	gcaacctcca	cctcccagggt	tcaagtgatt
17341	ctcctgcctc	agcctcccga	gtagctagga	ctacagggtgt	gcaccaccac	gcccagctaa
17401	tttttgtatt	tttagtagag	atggagtttc	acctgtgttg	ccagtatggt	ctcgatctct
17461	tgacctcatg	atctgcccac	cttggcctcc	caaagtgcgtg	tgattacagg	tgtagaccac
17521	gacaccacgc	cagtattttt	ttttttaaac	cacagcttct	tcattttgag	tcctctctaa
17581	atagctgcaa	tttactataa	cttagggttt	acaattttta	aaattgtgta	tgtaaggtta
17641	tccacatgat	gtttgatata	cttcttttga	cataaatata	cacaatgaag	tgattactac
17701	agccaaataa	tgattaccat	acccatcatt	gctagcgttt	agaaagacaa	ctgattttta
17761	tgtgctgata	ttgtaccctg	caaccctact	gaatttacta	aatctagtag	ttttttggtg
17821	catcctttgg	gattttctat	taacagaatc	atgccttctg	caaatgtaag	taatttagct
17881	gcttcttttt	aaatatgtat	gcctcttatg	tctttttctt	ggctatgttc	ttttctctgg
17941	ctagaacttc	tagtacaatg	tccagtgtca	gtgttgaaaa	tgggcatcct	tgtgttggtc
18001	ctgatttttag	gagtaaagct	tacagttttt	ctacccctga	gtatgatttt	agttgtgaga
18061	ttttcctata	tgccctttat	catgctaaga	aagttccctt	ttatttttagt	ttgtgatttt
18121	ttttaaattta	tgaaagggca	tttaatttta	tcaaataactt	ttttctgtgt	ctgttgagag
18181	tttggccatt	ttttttctat	tgaatgggtg	tattatggta	gctgattttt	ggatgtgaaa
18241	ccaaccttgt	gtccttgga	taaatcccat	gtaatcatgg	tgtataattc	tttctatgta
18301	ttgttggtat	tggtttgcta	ttgtttgtt	gggaactttt	gtgcccataa	gataagaggt
18361	attgatctat	ggttttcttt	tcctgtgatg	tctttatttg	gtttttgtgt	cagggaaaata
18421	gtggcttcat	aaaatgttca	agaagtgtac	cctcctcatc	tttttgttgg	aagagtgtga
18481	aaaattggta	ttatcaaag	tttagtagaa	ttcaccagt	aagccatttg	cttttctttt
18541	tgggtagttt	ttgattactg	attcattctc	ttaatgtgtt	ttaggtctat	tcagattgtc
18601	tgtttcttct	tgagtcagtc	ttggtagttg	tgtctttctt	gaaatttttt	catttcactt
18661	aaattatctt	atttgtcagt	gtacaattat	ttttggtatt	cctttataat	cctttttatt
18721	tctttaatgt	cagtagtaat	gtctcttctt	ttatttctga	ttctatagtt	tgagttttct
18781	ctcctctttc	cctgatgaaa	ctgaagtttt	ttccatttta	ttgatttttt	tcaaacgac
18841	aaattatttc	attaatttgt	gctgttatca	ttatttcctt	ccttctgctt	acttaaat
18901	agtttcatat	tttttgaag	tgtcttaagg	tagaatttta	agttattgat	ttaagaactt
18961	tcttaataca	agtgtttaca	gctgttgata	ttactcta	tacttcttta	gctgcacac
19021	aattgttttg	gtatgtgtgc	ttcattatta	ttcgtctaaa	aatattatct	aatctctgtc
19081	ttgatttctt	ctttgactca	tgaattgttt	tagagtggaa	atttcatttt	aaatttccaa
19141	atatttgtga	atttcccaaa	tttcccctgt	tgttgatttc	taattttatt	ccattgtggt
19201	taataacata	ctttgcatta	tttctatcct	tcaaatttat	tgaggtgtgt	tatttggcct
19261	aatatgtggt	ctatcttcta	gaatgttcca	tgctcacttg	acatgaatgt	atactttggt
19321	gttgttggtta	agtagaatgt	tccatagtc	ttgaggtcta	tttggtttgt	agtattgtc
19381	aagtcctctt	tttcccttgt	gatccgtcca	gttgttctat	ccatttttga	acgtgtagta
19441	ttgaagtcct	tgactatttc	tgttgactcg	gttgacttgt	ctatttcttt	cttttctcag
19501	gtctgttttt	gtttcattta	ttttgggtgct	tcatatata	aggtgcatat	atgttgataa
19561	cagttatatc	ttccta	atggattcct	ttgtaattac	aaaaggccac	tctatctcta
19621	gtaacaattt	ttgttttaaa	gtctatttgt	ctgatatcag	tgtactgact	ccagtgtttt
19681	tgtggttgct	gtttgcataa	tatatttttc	ctgttctttt	actttcattc	tgtgtcttcg
19741	aatcaaaatt	gtgttttctc	cagacaatat	atacttcatg	ttttcttata	caatataaca

FIGURE 2 (cont.'d)

19801	cctttgcctt	ttgattgcat	tgtttattec	attcacactg	catattatta	tttagtgga
19861	tttatgtctg	tcatttttagt	tcttttttgt	ttttgttttg	agacagaatc	ttgctctgtc
19921	accagggcgg	gagtgcaagt	gcgtgatctc	ggctcactgc	aagctccaac	tccggggttc
19981	aggccattct	cttgccctcag	cctcccaagt	agctgggact	acaggtgccc	accaccactc
20041	gtggctaatt	ttttgtattt	ttagtggaga	ctgggtttca	ccgtgttagc	caagatgggc
20101	tcgatctcct	gacctcgtga	tctgcccacc	tcggcctccc	aaagtgttgg	gattacaggc
20161	atgagccacc	gcacgcccgg	attttttgtt	ttttatatgt	atcatgtcct	tggtgttcct
20221	gttttgtcct	tacttctttc	tatttcattg	aattaatatt	ttctaataata	gtatttaagt
20281	tttattaata	attttatcac	tgtattttta	tttttagtgg	tttctctagg	attttctgta
20341	tatatcttat	cagtatgagt	ttcagattca	cactagctta	attccagtaa	tatgtagaaa
20401	tgttactcat	gtagaactta	attctcttgc	tcttttgtgg	ttatttttatt	tatttatatat
20461	caattaatgt	tacaaagata	tacattgttt	aaattattat	tggtgctatt	attagcatac
20521	ataacaccca	catattaaaa	ttgtatatat	tgcataatag	tattatagaa	ttgtatatat
20581	tatagggcca	atagtatat	gtatacatgt	tattttatat	aattgttttt	aaaatgagtt
20641	aagaaaaaag	aaaaatgcat	ttctactgtc	tattatagaa	aaataattac	atcatactga
20701	acgtcttcac	cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
20761	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
20821	aatttgcggc	cgctaatacg	actcactata	gggagaggat	ccgcggaatt	ccctaaagaa
20881	ttgctgagac	aaagtatatg	tgcctttgtc	atcctgaggg	cagttgtcat	cctgtggagg
20941	tttaccattt	gctctccac	cagcaatgta	taagcatacc	tgcttcccaa	cacttccgcc
21001	aacacatatt	atgtgattaa	ttttcttggc	tgataatggt	atctcattgt	agttttaatt
21061	tgtatttctc	attgtgagag	aaatgaagca	tcttttcatg	ttttgagagc	catctgtgca
21121	tcttttccca	ttgtttctgt	taagtcattg	atttgcagta	ctgtaatttg	tgatgagttg
21181	taaacatgag	ctcttctggc	ctcttaacca	tccttatcca	gcctgtcttc	acgttctctc
21241	ttgcctaaaa	acaagctcac	tcaaacagat	cattcctgtg	gccctctccc	ttttgaaata
21301	aatcagatgg	gcaaatttgc	ttttgttagg	ggcctgagac	ccaaatgttt	aaaagtagct
21361	tagctgatga	gtgaaaagga	ggcccagttg	ggggttgcac	agaaaatgag	gggcgtgggt
21421	aatagaggag	gctgggcagt	aacctggcag	aaggcgccag	aggccaagga	agggtgcgtg
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21601	caaggatata	tggaaaagtt	ttttttcccc	gtatgttctt	tggcaacctt	gttaaaatca
21661	tttaaaatgg	tgaatttgat	aacaaaacca	gccactaaaa	gacttggatg	tagcaaaaca
21721	aattgtcaaa	aagtatttat	catttctaag	aaataaaaata	aactgggatt	taggcttggg
21781	tagaaatcca	gaggtttgtt	ttggcataat	taattacaac	atctgaagaa	gggaggattt
21841	ttacaagaat	tttttttttt	gtagtgagat	tgctttatat	tccttttcat	gactggagag
21901	tctgtcattt	ggcaaccggc	aaagaacttc	aggaacagag	ggcctaagtt	ttcttgacac
21961	atttggattt	ttgcatgatg	aacatttgca	cttttattag	taattgtcga	gtcgtgtgtg
22021	gtctgatcct	atggagagga	gagtgtaggt	gtnttctctg	gagctagtac	ntgccccgn
22081	gctcacacgt	gccacactgc	ctgctgcttt	cangaaagag	caggacggct	ggtcctgtcc
22141	catctagtga	ggtcctgtcc	catctagtaa	ggttctgtcc	tcagagctcc	taagagggga
22201	ttgctggcct	ttgattacac	tggcttccag	aatctgacca	tgggaaccatt	atttgaagct
22261	gtcagcttca	ttttgttgtt	gatcaggcca	gtcttttagg	tccttgttgg	ttgatagatt
22321	tctctcaggt	ctatagcagc	aacaaataaa	gctctttaaa	attattttct	tgaccattct
22381	gcctatggat	tggttctgac	ctttgaaatg	tttgctgtcc	tttagatcgt	gacagaagga
22441	gcctottctg	ggagctgtga	agaccccaca	gatctcactg	gttttcttgc	ttttattgga
22501	agagtttagca	tttgttgaag	tttatattta	tgtaaaataa	caataagtag	attttaaaat
22561	ttttctgttaa	attctgtgat	ctaataagaa	gagagactct	ttctctgtca	ttgggaggct
22621	tgtataggat	cggacatacc	tgctgagagt	atcctgtaat	gttttcataa	gattggaaat
22681	ggtgaaatga	gagcagaaat	gtaggcagag	gatgccaaag	ctgtttccta	tttcctaagt
22741	aaaactgagc	agggcagaat	ctccccagcc	ctgccagaac	tccttctctc	cttgggtccg
22801	ctgtcactgt	catgctggcc	ttgacatctg	ctacaagtgc	acacacatgg	ggaaccacac
22861	agggaaagtga	acacatgtcc	tgacgtgtgt	gtgtgcctgg	tggtggctgct	tccttgatcc
22921	aggctttgtt	ttgttacgag	gctctgcctt	cctaccttca	ggccttgcct	ctcatcatgg
22981	gcatgcaagg	atggaatcgt	taccccagag	tacacttttt	gacttggatt	acttgtagtt
23041	tagtactgga	gttcagaact	ttaatttccc	atcagaaacc	tgccctccgg	accagggaca

FIGURE 2 (cont.'d)

23101	ctgaccttga	ttgggcacga	ttttccagat	aagaccttac	ctcctcccaa	caggggtttgc
23161	cttcccttca	gaatacagga	aagtacacgt	ggttccaaga	ggaccatgct	cttactaaga
23221	taaaagggag	gagggtgact	aggtactttc	ctctgctgcc	atcccttgaa	ggaagggggc
23281	ttccttcaat	gcctcatcag	ttccagggag	tatgcttgac	ccagcaacac	agaggaagaa
23341	gtgacctcat	agcaatgagg	ggcaagcatg	tggatattgc	tgggtatttc	ttcctcaaag
23401	tctacctggg	gacagggtgat	gaagacgctt	acttctctgc	aatacaccgt	gatcaggctt
23461	tggctcttcat	gacacatttt	agccttgccct	atgtgtgttg	aacagagctg	gtcatcctca
23521	gaaataaaaag	aagagagcaa	taagtacagg	aaggctttca	gtcccagaat	agtgttagga
23581	ctaaatgtca	gagaacaggg	ggactgtagg	agtttgggga	ccttagcatg	gataccctct
23641	caatctgctc	ccctgtggta	taaacagtaa	agccccattgt	actaaaaggc	cttgagtgtc
23701	tgtctctggg	gcagggtggag	ccagtgtatgg	gtgccccgag	aggaggatgc	tggagagggg
23761	acagtgtcta	aggcagttgg	agaaaaagga	caatggctta	tgcagtcagg	cctagaagat
23821	gcaagggatg	tcacagcata	gtgtccacag	gcacccctag	atgtctttca	ttttgtttca
23881	ggaagaatat	tgacaaaggt	agtgtatggga	gggttatttc	aaggatgcta	ttttcatgtg
23941	tccaagtaaa	cttaagattc	ctaagaactt	tgacctctaa	tgtttttaa	gaccgtgtac
24001	ctcatgccc	tatgcacatt	cagttagaaa	ataaatgtag	attctttggt	gaattcgaag
24061	atgtgtccat	ggagtggcag	agcgtgatct	cagtgtacac	atgaagcatg	ctgatgagag
24121	cttcttggat	cttgtttctt	cagggtgact	tgcattaaag	tgtgtttgaa	tctctgcact
24181	gggagtggga	gcagccatgc	gatgggtgcc	ttaatccgag	tgccatcctg	gctctctcca
24241	ggctgcttca	tttgctgtga	ggggtagggg	gaggaggagt	ttccaggcaa	tggccttatc
24301	tgttctggtg	gttgaccaag	ggtcgggggt	cccaaagggtg	gagttccagg	atgagagtgc
24361	acccttgggg	atggtactta	gaaagagtgg	ggactaggcc	tcagccaggg	aatggtgggc
24421	caggggtggag	ctcctttgta	tcaaggagtt	agggccaagg	gccatgcagg	tgggcctgca
24481	gaaggtgggt	ggtgatatgg	cctttctggt	gataacagac	tcgtggcact	gttttcttgg
24541	ggctgtttgg	gttgcatgga	gcagattctt	actcaggctt	actgtcttaa	ggagggaaga
24601	atgctttttt	atgaatacgc	ataggtctgt	ggggctgtgg	agcctgggga	atccgaggct
24661	ggcgtgggag	tctggggccc	tctagcggtg	gtgggtgcac	ctcagctcag	tgccactcac
24721	tgtccctatt	tctctctgtc	catttctctc	ctcactgcag	tgttctctct	ccttctctaga
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24841	ttgctgtact	ttcttttcaa	tctaaatttt	cttgattatt	tttcttaatt	tacagtttca
24901	agattagatc	tgttgggagc	attctgtgct	ctacctcagc	ccctggttga	tactaggatt
24961	ggctgtcccc	atggtgacgt	ggtctggact	cccttttgtg	tgaagagctg	tggcagggca
25021	gtgaggtttt	gtggaactca	gggagcatct	ggcactatgt	atgaggttgt	gaggtgggag
25081	agagctctta	aatctaccag	ccttgtttgat	cttgggaact	aggagagagt	gctaggggaag
25141	ccagtgccag	caggcctgga	gcctcatatt	tctttggcat	ttgtatgata	ccttctagta
25201	cttcgttttt	tgacttatat	atgaactaac	tcaatttaga	tgtttagaaa	ataaacggcc
25261	actggacctg	caagagatta	gtagtgggtg	tccatagcct	tagacatttc	ttacactttt
25321	atccacagat	aagaaaaaaa	tagtgatatt	tgatttgttt	tggcaaggct	tagaaggatc
25381	taatattgtg	tactcgttga	gcagcgggaa	gcagcagaca	tttctagggt	ttctccctgt
25441	caccattcag	gagacagtgc	acacaatccc	cttggctctt	acctgaacac	tgaccacagg
25501	tctgtcattg	caggctggga	gtcctccgtc	agcatcagct	ccggctccgg	tgtcctcctt
25561	ctctcgcact	tctatcacgc	catccagcca	ggacatctgc	aggtaacact	ctgcttcaga
25621	tgtgtccatg	atcagtgtgc	agccagaaat	aagcattagt	gtctgtaggt	tcttgaattt
25681	ccatttgctt	aatcaatctg	ccttttgtct	aaacagtttg	cgagttttat	gtgtggtttg
25741	ctcaccaagt	tacctatgct	agtctcattt	cttactatg	atgtctattc	tcttttaaaa
25801	ttgtttttac	tttctgtgct	tttatcccac	tgttctgcat	gcagttccag	tcaggtgttt
25861	tctgagtgtt	gtcaccacag	ttccgtgcag	tctgtgtttg	tctcgaaaagc	tctcactctg
25921	cagagttctc	tgacacaagg	gctcactgtg	acagttatct	gtaaggacac	attacaggcg
25981	tcaaagagaa	attccttttg	ttcagaatgg	gcccaggcct	tgaagcctgc	taagaatacc
26041	aaagccagaa	gaacactaaa	gttctcaagg	tccctcaatg	atgtgggtga	gaaggcgag
26101	gatacttcag	aaagttttgc	ctatgtggaa	agaacttgtt	ctgaagggaa	attaatactc
26161	cctcaagata	cgtgtctcag	aactaacagg	tttcatcata	aagaaaaaag	aaccctgaac
26221	cacaaacctc	ttggcaattc	caaacattct	tgtgtttcat	gcctttctgc	cggctcgctca
26281	actgcctcag	aggtggaagc	tggcaagggg	ggcaggcccg	gcctgctgct	ggaagagaag
26341	gcggatgggtg	aggccacgtc	ccgaagccgg	caactgctcc	agtacctgtt	ctcactctcg

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FIGURE 2 (cont.'d)

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26401	cacggcttga	gcgccagcag	cctgcacagg	ttccatgagc	tggagagctg	cgctgctcgc
26461	ctgcacactg	ccaagtcctc	cagcgggctg	gcaggaggta	tgggcttctg	ctctgacgag
26521	atgggagacg	acgatgtctt	tgaggacagc	acatctgcaa	aactgaagag	taggggtctg
26581	cgggcgcccc	tctgtccac	ggaaaaggac	agcgacctgg	attgtccttc	tcccttctct
26641	gaaaaattac	cccccatatc	tcccggtgcc	acgtcagggg	atgtctgcag	gttggtttgc
26701	caggaagtgc	cattctagcc	atctctgtctc	gcacagggaa	cctcctcttg	ctttagtatg
26761	tgaagtttca	ggaaaatgaa	gtaataggaa	gttgtaacca	gttgtgggtt	gatggttttc
26821	tccagaagaa	tggagtatca	atatcgtttg	aaaaacttaa	tttttatgat	gtgagtccca
26881	agatagtttt	acaaatgata	aaagagggaag	aagctggctg	ggcgcagtgg	ctcacgcctg
26941	taatcccagc	actttgggag	gctgaggcgg	gtggatcacc	tgaggtcagg	agtttgagac
27001	cagcttggcc	aacgtggcga	aaacccgtct	ctactaaaaa	tacaaaaatt	agccgggcgt
27061	ggtggcgggc	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa	ttgcttgaac
27121	ccgggaggcg	gaggttgcag	tgagccaaga	ttgcgccatt	gcactccagc	ctgggcaaca
27181	agagtgaaac	tctgtctaaa	aaaaaacaaa	acaaaacaaa	aaaaaaaaa	ggaagaagct
27241	acacatatta	aaggccaagc	tgactcttct	aaactaaaaa	taagtagact	ttgcataaag
27301	aaactggaag	aaagaaacta	gtatcttcag	ttttccagcc	tgatgggtcca	gattttaagc
27361	attgttgcac	ctcccagcct	cttttttaac	ccttgctccc	tacctacccc	caaaagggtg
27421	gtggggactg	gctgttctcc	agttagctct	tccttccttc	tttttaactg	agggtagacc
27481	acctatgtcc	cactctaact	ctgtttcccc	cctttatctt	cccttgtgca	gcaccttgtt
27541	ctggcctcca	taattcactt	tttgtcatga	ctcttgtgcc	ctcctcattc	tgacctttct
27601	ccagtctccg	ctccttagtg	ccagctgtca	tcatttctaa	catttggtac	agagatcccc
27661	tcactaaaac	agcctgagag	cctggctcct	tccaggacga	gtgccccaac	ctgttctcta
27721	gctgctggaa	aagacccctc	tgtttcttaa	aagcctgtta	agttccttca	ggctagtagc
27781	tacaccttgt	tgcatacttc	cttggaata	gagagtgttt	tcaaattaat	ttctcactta
27841	ttgctattag	tggtcccaag	aaaaagagat	gaaattgcag	catcttgtaa	tggtgagttt
27901	tttaggtcta	ggagagaggt	actgtcatct	ttgtttactt	gctgagagac	gacagaaatg
27961	tgtagtgttg	gggtatgaag	gtaaagtcag	tgattatagc	taaaaagcaa	acgtcattta
28021	aggtcactgg	tatttttggg	tggtggaatg	cagcgcttac	catccataca	agaacccgct
28081	gggagggcca	agaccatccc	gtgcgcggcg	ggaaccgcga	catccgccac	tccgatgccc
28141	gctggagcgg	gcggagaccc	acgcgcgcgc	caatgtcccg	gcgcgcgggc	tgtcacacca
28201	gggcagcggc	gtagtgcgcg	ggggcacaag	cccagccgcg	ccggggcggc	gcgcggagaa
28261	ggagcgcaga	ccccgtgaac	acgcgcggag	accgtccgcg	cggcccgtcg	cgcgcgcgcc
28321	tactgccagg	ggcggcgggt	gacgacaaaa	ccctcgggtc	gcccgcgcctg	gcagtccgcg
28381	gccccgcgcc	ccccagcggc	gcgaccccg	gggcgcgggc	cgaacccggc	aaggtagagag
28441	ggcgcgtggc	cccgggcgct	gaccactatc	attctccgcc	acacggacga	aggcaggagc
28501	accacgggcg	gcgggcgggc	cgcccgcctc	ggccaaagag	cccgcgccgc	agcggannnn
28561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
28621	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnngag	ccgggcgagc	gcaggcgggc
28681	ggagagcaga	ccacgcggaa	gaggccgaga	gagaaagcgg	ggcaccgcgc	cgggggggtc
28741	atttacaagg	gacgctgggc	acgaaggagg	ctggggcgaa	gatgagtcca	gggggtgggt
28801	tgagagcgct	gcgcagccgg	gctgagaaga	gaagctgacg	agtgactccc	gacaagggac
28861	gggggagagg	gaacctgggg	gcaggcagag	gcctaggggg	tgggctctga	gggcagccac
28921	tcccaccggc	cctccccag	ccccgcaggc	cagccacatg	ccccgtgctc	cagacgaccc
28981	agctacatgg	atggcagcgt	cctgaagggg	gatgatcgg	agggagtggt	tgcggagggt
29041	cacgcctgta	atcccagtg	tccgggattc	ccgagcggga	ggatcgcttg	agccggggag
29101	gtggaagctg	cagtgatctg	cgccactgaa	ctcccgcctg	ggcggcagag	tgagaccttg
29161	tttcaaaagg	caccaggggt	gtagggaagg	agcgaatatc	cccaggcaag	gaagctgcgc
29221	gagggggccag	gccaggagag	aaggcccttg	agctcagtgg	acgggcaggg	tgccgtgtgga
29281	ggaaggagg	gacgtagcag	caggagggaag	ggtgaggacc	caggctgggg	atcgggagaa
29341	gtgatggcgg	aggaaagaga	ggccggaaga	ggagggggcc	tgctggcctg	gcactggaaa
29401	gcaaagcgtg	ggtttgtata	tgggaagaag	accacatccc	ctcttatcgt	catcccaact
29461	cagaaaccat	ttggccccaa	gtcaccaaag	cactcatagg	aaccactttt	cctgtgacac
29521	aagtaggatt	ctcccacttt	taacttccca	aatgctaccc	gaaagcctct	gaaatccttg
29581	gaaattttaa	aaataatccc	cttctattaa	ctgatgccta	taaaacatat	tgactttcat
29641	taaattttgt	tatgaaatca	gggatgtgtc	ccattgtaaa	ataaatttgt	ttggaaaatg

# FIGURE 2 (cont.'d)

29701	taggggtggt	tcccatctaa	aaatcagacg	aggctagaaa	atttcaattt	tatttgctaa
29761	ggtagcatca	tgttggttaa	aatgcatcat	aaaataagac	caagagttaa	tacaaagcat
29821	gaagtcatgt	ttccctcaaa	aaaatgattt	gttctgtagt	caaattaatt	tggaaaacat
29881	tgcaaaactct	tcagcagtgg	ttctcaaagt	atagcttgcg	tcagaatccc	ctggggccct
29941	tgctaaaatc	tggatggcta	cactccccgc	ctagagtggg	ttaaactcag	tgccactggg
30001	caggaaactg	aaacttggct	gaagtcaccg	aggaggcctt	ccccgttaaa	cctctggctg
30061	gcgacagctt	ggtttccctg	ccgctgcttc	tgagtaattc	tggcacgcag	ttcctcctag
30121	ccacctgctg	tacctggaag	ggggccagcc	ctcctcagca	ggctttgctc	ctgccttgca
30181	cagcacaact	gtggcgtaaa	aaatggaaaa	gctggtagca	gaaggaaaag	gcaggagac
30241	agaggttagg	tgaacctcaa	tggcctcatt	aaagcaaatt	gagaaaagaga	gtttccttcc
30301	cagtgaaggc	ggacagtgcg	gaaatgcggc	ccgtcctggg	agaagtaggg	gcgaggggtg
30361	gggggctcac	cgggcacatg	gccaacagct	ggtgccagc	ctggggccaca	gtttggcaca
30421	ggagaaagct	gaagatgcag	gagaaagcta	ggtcactgcc	cctaggccag	gtgatcaagg
30481	tggctgttac	ctgcctgtgt	ggccttgaaa	aagcctggtg	ccctctctgg	cttgagggtt
30541	ccttcttttt	acaaaagcgg	gtcttcgaag	ccctgaatat	tccagttatc	tgtaaggata
30601	tagaaatatt	ttgcctctag	atgacatgta	aatatgttcc	tcctaactcc	acttcttctt
30661	acatctgtgg	cttcttctga	gaactaccag	acccaccctg	ttttcagagt	aaacctcctg
30721	ttttgaggtc	aaacagaccc	agctgggtaa	ttggtgactc	actcctgggt	cctccaaaga
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30841	accctctggc	actgggccat	cttcaggccc	tacagggtct	tcggggcctg	cgtaggcctc
30901	tcctctccca	gaaataagtt	cttttcccca	cccagactga	caccagatgc	tacagtgagg
30961	tttacccttc	cagcttgaca	agcattccta	gcccagaaca	ctcagctgac	gaggggtgct
31021	ggggggaggaa	ggaggcagca	aggctgaaag	aagcttctct	gggtattcca	gtgcctggct
31081	gctggtcgta	gccatggtga	gaccacacca	gcctccctgg	aagcaagcac	ctgtgtaaaa
31141	ccccctcctt	ccccacaagg	ggctggatcc	aagtgaagaa	ggtaccagaa	ggactggaag
31201	atgatgctgg	tattattcga	cagctccagg	gtgctgtagc	actgagcacc	tactgtatgc
31261	agcccatcac	aaagccagcc	acactgcca	ggctgtgcc	tggcaacttc	cagcagtaca
31321	ccctctcggt	cacctgcagg	ctccttggtc	atcctgacac	atgaggagaa	aaagacagta
31381	ctcaciaaagg	cctctagcct	tgtggcccca	ggaccctctc	ctgagcatca	tggcctccta
31441	ggagaccag	ggtagccagg	acaaaggaga	gaagcatttg	ctaagctaag	aaaggatgga
31501	aggggattgc	tgttctgcct	ggatgcaccc	ctagacctgg	cagggcaggc	ctgtgtagacc
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31681	tgtcccatca	gccaggctct	ccccagcctc	catcctctca	ttctgctgga	tcaggaggat
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31801	cccagccatg	ctccacctga	gaagtgggtc	caggcagagc	actgggtcct	ggccacctag
31861	ggctgcctcc	tcaggggtgg	gcaggaaggg	gagccactgg	aggagtgcc	cgggcacagt
31921	cccctgcacc	aggtgaggtc	acctcttagt	ccatgaggcg	atgctgcatg	agccctctg
31981	gacactagaa	ggcctgggct	caatgctgag	taaagtgcag	gcatgactgt	gcccctcagca
32041	tgcatagggc	agcaggcata	gattcataca	cgtgagtttg	cacttaagct	gcagtaagag
32101	ctacagagga	aatgaacaga	gacagcatca	ctccagttag	ccctccagat	acaccccatg
32161	tgcgcagtaa	gagaatggca	tagtctattg	ggacagccac	atcaaaatac	cacagaccag
32221	atggcttaaa	cggcagatat	ttgtctctca	caggtccgga	ggctagaagt	ccaagattag
32281	ggtgccagcc	aatccacttg	ctggtgaggg	ccctcttccc	agcttgacga	tgtctctgtg
32341	ttcccacagc	atggtcacgt	ggcagagaga	gggggacagg	gcatgaataa	gcccctcggg
32401	ccttctctct	cttacgagga	tgctaattcc	atcacgggta	ccccaccctc	gtgacctcgt
32461	ctaaccctaa	tcacctccca	aaggccccat	ctcctaattg	catcacactg	ggggtcaggg
32521	cttcaacaca	tgaatttggt	gagcacaatt	tagtccacag	cagaaaagaa	aggggcacag
32581	agcattccag	cctgaaggaa	acagatgtgc	aaaggcccaa	ggcaaaggcc	tgagctctga
32641	ggggcaacca	gagtcaaggc	tgaagagtgg	gcagtgattg	agcactgacg	gtggagagge
32701	aacaggctat	cttggttaatc	tcagtctttt	gtgtgccaga	gagagaaaact	gaggcacagt
32761	gtgtcatggg	gaacactggg	cagcactccc	acgtcctgt	cctgcactct	gcagggttat
32821	ggaggaagcc	tgggaagtct	ctcccctctt	ttccaccttt	cctggaccca	tcccacccc
32881	tgcctcctcc	aggaagccct	ggggattgct	catacactca	catctcactc	cttagtacct
32941	gcagcctgca	ttctgaattt	agcaagctct	ggccttggtg	ttctattttc	ttgtcctgtg

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FIGURE 2 (cont.'d)

33001	cagtgcgcat	ttggaaactt	ctcctcagca	ccaaacacgg	agccatttag	cagaaaatac
33061	atgagttttc	aagtcaattg	aactgttcat	cgccccaaaa	gccaggcaac	acggtagagc
33121	agctggatct	ctgttcgtag	aagctttctc	agggactggc	ccaccgagtg	ggggactgca
33181	agtgtccgat	gagtgaatga	atgaacacat	gtgtgaatgg	aattcaaggc	actgcaggct
33241	attctggagg	gtactggcct	gtctcttcga	caggtgaggt	gcagtāgaac	agcatcccgt
33301	atagatgcca	gtttctgacc	tggttctgaa	aagccagtca	cctacctctg	cagagctgcc
33361	tggagggggc	gggggttggt	aggacccttg	agagcttggt	gtgaaggggc	tctgcagagg
33421	gaggcatggc	tagtgtgcgc	aaggtgacct	ctctcctggt	ctgcaggatg	gagaacctgt
33481	tcatcaaccg	cttcatgcac	atgttcacgt	cttcttggaa	tgacttcgcc	gactttgaga
33541	aaatctttgt	caagatcagc	aacactatth	ctggtgagtg	tgccctctggg	ggcccaagtg
33601	gtgctgggga	caggggatgc	tgctctcctg	tctgatactt	gccgggaaat	tgacaagggc
33661	cttcctgcct	gctgcagcat	gggggcctcg	ctgccaccat	gccaccctgg	acagcaccct
33721	ctacactcca	caccttttac	catcactgtg	gtcacccttg	tgcccagagg	tttctcctcc
33781	tcagatattc	aagctcgagc	accctcaacc	tcattttcact	atcaaaaagtc	tcaaaaagtat
33841	cagaactttt	tcttggcaca	aatcaatcat	ttgtgcttct	gaacagagca	aaggcagaac
33901	ttggcttggt	ttttaggtat	ttacacaaaa	gcaactttgg	gttccttttg	actaggtagt
33961	gtttgatgag	agcactagct	tcatagtggc	cagtcagggc	atgggaagga	cgttaggaag
34021	gcaggaaatg	ctggacaaga	agaggtgctg	aaatcaggac	atggggaacc	aaacttgcca
34081	aactgcccc	agggactctc	ctccacggcc	tccttcttcc	atcctggaca	ctccatgctg
34141	ggctgaagga	cctgagtgct	ccaggaggct	tctgagccac	gaagggccag	ctcaggtatg
34201	atgagttggt	gccacagcct	gaccagtgta	tgggcagggg	gcagcagttg	gagctgtgcc
34261	catccaggga	gcactcggga	gaggagacca	agcagggact	ctgctcttag	gtgaggtcag
34321	gagggccatg	gccctggctg	ccctctactc	agagctcagg	gtgggcctcg	gttttctcct
34381	ggtagagcgg	gtcatgaatc	actggcagga	agacctgatg	tttggctacc	agttcctgaa
34441	tggctgcaac	cctgtgttga	tccggcgctg	cacagagctg	cccagagaagc	tcccggtgac
34501	cacggagatg	gtagagtgc	gcctggagcg	gcagctcagc	ttggagcagg	aggtccaggt
34561	aggggttgat	gggctgggga	agtggccaag	gtcacagtct	gtcaggtgga	agccagttcc
34621	tcctggccag	tgctcatagg	ccaccaagac	gctaactgca	ggcccatctg	gcctacagca
34681	gccgcttcct	tttcctggca	gcagtgtcag	ccagggtcct	gggcattatg	cagactgtct
34741	tgtgaacat	cagaggagga	attgcgggga	atgtttctcc	atgatgctcg	agtctgggaa
34801	cataatgtca	atattttcac	tatcagttat	aataattaca	ggagctacc	ttgattaggg
34861	gcctgtggtg	ggacaggcat	tgtgacaggt	gctttacaca	caaggtcac	agttgtcacc
34921	caccttgcaa	aggggagaac	actggagaaa	gaagcagacc	ttgtgtgaca	atacacaagg
34981	ggcacgagga	gaacccaaca	gaatggttga	ttttctcggt	agaaatgctg	ctgcccattg
35041	tcctgtcgca	ccctcctccc	cacctcacc	tgacagactca	gctgcctccg	gctgcaaggc
35101	tgacctagtc	ttgagacaga	agaagttcaa	accaactcca	cctggatctg	gtggggctca
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35221	ctgccaccca	ggccctgctg	cctatcccca	ggtgtccagg	tgccctctgc	tgcttccagt
35281	cttttgagct	cagcttaacc	tgaggcccta	gttggagagg	gatgggttgg	gccctttaga
35341	gataaaccta	cagccccagt	acctggccca	cctgaatcta	gagggccacc	caccagctg
35401	aagtccttgg	gcaagtctcc	tgccccagtg	caggcagtg	ttcctaacct	cctcctctc
35461	ctgcacccaa	ccaggcccag	aacacttcct	ggtcatgtga	acagctgaca	gttacaatcc
35521	cccacacact	gagagagcat	ctgtgttcct	gagtggaactg	aattgctaga	tgtagtaaca
35581	ttgatttggt	ggctataggt	ttcaaacttc	aagtcagaga	tcatagaact	ttaagccata
35641	tagaatccta	gaattggaag	actctgagca	gccatctctg	caccagcag	ccaaggagtg
35701	gccatcctca	gcacctggca	gggcatcagc	ctcccactgg	gagtcctggc	cacctccagg
35761	gcacgtgggt	tatgagtcac	ctttcctttg	agctgaccca	cccctcactg	actagactct
35821	taaacacaca	ctgccccgtc	taatacacac	cagcatgatt	cttaatcccc	acagtcattc
35881	acgctgcca	tctggcagca	ccttaatgat	ctacagcaag	cttgtggcct	actaaaaacg
35941	cctccattgt	tttttaaaat	gtgcagttat	tttccggatc	atgaatagag	aaattgtatc
36001	cctgttggtg	gtattgattc	agtgttccag	ctcaagtttg	agttcttaga	ctttatattt
36061	ggattctttg	gtttcaaatc	acaaaaatca	actccatctg	gtttaatcca	agaactctat
36121	tggctcaggc	aacagtaaaa	agcaatgcta	actcatttgg	gaccagggct	cagatcatcc
36181	ctgcactgtg	ctctctctcg	ctccatgtct	caatcctctg	cctctggtga	cttttctctt
36241	aggagggttt	ccttatgttg	aggtaaaaaa	tgatcacccg	cagcttcaga	tttaccttcc



FIGURE 2 (cont.'d)

36301	accagcttag	caaacaccac	ccactcccag	caagaaagac	cctgtttccc	aatgctccca
36361	gcagatgtct	taggccatcc	tcgggcctca	ctgattctgt	gagccagtgc	ccacggccag
36421	gagaatggaa	tacactgacc	tagaggggac	agggactcta	gacaggcaaa	aactccactg
36481	tcagaagcag	aatcctaaaa	tgtcagaact	gaaaggtag	cccggccctc	gttttccaga
36541	aatatgaaa	ggaggcttgg	gataacagag	aaatgctgca	ggcattggcc	ccaaatctca
36601	ggcctcctat	tcccagtatc	accttcacca	gcctgggtgg	tctcaagatt	ggattagcag
36661	ccattccttc	tgggtagagt	ctgatggta	cttcagctct	caaagtcag	ctatccagcc
36721	atagtccctag	aaggcaagac	atcactgtgc	ccgaccaacc	caagggtctc	cacctgcccc
36781	cctcaacaca	aggtgccctg	agtgcctccg	cggggatagt	ccccgtcccc	accctgtctt
36841	ccccgcgcca	tcgcgacaga	tgctcagagc	tcatccctgg	tgtcacacca	cataaaggag
36901	gagggcggtg	gccaggctcc	gagctcctgc	cgctcctggg	gggtggcttc	tgctcctgcg
36961	gccgccgggc	agcccggggg	tcctgcgcgc	gggcgcggtc	ggtggagctg	caggggggag
37021	ctctgggatg	tctccaggca	gagtagatac	tgacccctcc	gcagccggga	ccctcacctt
37081	ttccttcctc	actcaggaaa	cagaaaaggc	ttcagaagga	gcggccatgc	ccccggccta
37141	agcgctgcgt	tcccggccca	gcaggcctac	cctgcacctg	gcgttcctct	gggccccctt
37201	gcgggaccca	ctgcgcggct	cgcagcggcc	tcggcctcc	cacttcaccg	gcagcctcgt
37261	tgctgtgcga	ggtgtgttga	ctcctacagc	aaagggcacg	gatccgcggg	tcagcaagcc
37321	cgacgaattt	acaccaatga	cccgccgtgt	cgccagtctc	agaccagggc	acaacacgcc
37381	aacctgtcag	accaccccca	cctcccagc	cactgcagac	ccttccccct	ctgcttctgc
37441	agcacctgtc	ccgaaacacg	ctcattcccc	ccccgcgaga	ccttccctac	ctcctggaga
37501	ccccctcaa	cccctgtaga	gtcccctgcc	cgctgcagaat	cccctcccc	ttcccccgca
37561	gccccctac	cccacccggc	ggacagcccc	gtcgccttcc	tgcttcttcc	ccaagggaga
37621	ccctgtcct	ggctctgact	ggggttgagt	tcgccagttt	tgacttatgt	gttagctctt
37681	caccacgggc	tggaagtacg	gtnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37741	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37801	nngagcgtac	ttcagcccgg	gtgaagattc	cttacacctt	atacaaaaat	taattcaagt
37861	tggattaaag	acttacatgt	cagacctaata	accataaaaat	ccttagaaga	aaacctaggc
37921	aataccattc	aggacatagg	catgggcaag	gacttcatgt	ctgaaacacc	aaaagcaatg
37981	ggaacaaaag	ccaaaataga	caaatgggat	ctaattaaac	taaagagctt	ctgcacagca
38041	aaagaaaacta	ccatcagagt	gaacaggcaa	cccacagaat	gggagaaaa	gggagaaaa
38101	actcatctga	caaagggtga	atattccagaa	tctacaatga	actcaaacaa	atttacaagc
38161	aaaaaaacaaa	caaccccatc	aaaaagtagg	caaaggatat	gaacagacac	ttctcaaaag
38221	aagacattta	tcgagccaaa	aaacacatga	aaaaatgctc	atcatcactg	gccatcagag
38281	aaatgcaaata	caaaaccaca	gtgagatgcc	atctcacacc	agttagaatg	gcgatcatta
38341	aaaagtcagg	aaacaacagg	tgctggagag	gatgtggaga	aataggaaca	cttttacact
38401	gttggtggga	ctgtaaaacta	gttcaaccat	tgtggaagtc	agtgtggcaa	ttcctcaagg
38461	atctagaact	agaaatacca	tttgaccag	caatccatt	actgggtata	taccaaaagg
38521	actataaata	atgctgctat	aaagacacat	gcacacgtag	gtttattgtg	gcactattcc
38581	caagagcaaaa	gacttggaaac	caacccaaat	ttccaacaat	gatagactgg	attaagaaaa
38641	tgtggcacat	atacaccatg	gaatactatg	cagccataaa	aaatgatgag	ttcatgtcct
38701	ttgtagggac	atggatgaag	ctggaaacta	tcattctcag	caaactattg	caaggacaaa
38761	aaaccaaaca	cctcatgttc	tcactcatag	gtgggaattg	aacaatgaga	acacatggac
38821	acaggaagg	gaacatcaca	cactgggcac	tggtgtgggg	tgggggggctg	ggggagggat
38881	agcattagga	gatataccta	atgctaaatg	acgagttaat	gggtgcagca	caccaacatg
38941	gcacatgtat	acatatgtaa	ctgacctgca	cgttgtgcac	atgtacccta	aaacttaaa
39001	tataataata	aaaaaaaaata	aataaaaaata	aaaaataaaa	gaaaatgaag	aaaatcatgt
39061	catttgacgc	aacatggatt	tggttagagg	actttatcct	aggcaaacaa	atacagaaac
39121	agaaaatcaa	ataccacata	ttctcactca	taagggggag	gtaaacactg	ggtactgatg
39181	gacataaaga	tagcaacaat	agacactggg	gactattggg	gtggtgaagg	aggggaaggga
39241	gaaagtgttg	aaaaactgtt	gagtactatt	ctcagtatct	gggtaatggg	accattcata
39301	ccccaaacct	caacatcaca	caatatacc	aggttacaaa	cttgacacaa	tgccctctga
39361	atctaaaata	aaagttgaaa	aagcaaaaat	aaaacagtaa	acaacaacaa	caacaaaaca
39421	gcaaaacctt	caataaatac	ataaaataaa	atataaataa	atgtcttttg	cagagctttt
39481	tgttttttgt	gtggctttga	gttagtatct	gggttcacgt	tgcttttaag	ctgttttgcta
39541	tcaactgcat	cctatctaat	atttcttttt	cttaatagta	aaccactcaa	tttttgtgag

FIGURE 2 (cont.'d)

39601	gagatattac	attgtggttt	tgatttacat	ttctctaagt	atttcctttc	cagtttggat
39661	gctgagcatt	ttttcttatg	ttttttgcc	attcatatat	aattttaaaa	gaaatgtcta
39721	ttcaaatcct	tttgccattt	taaaatcata	ttatttttaa	atattgtggt	gtagaaatta
39781	tttatatatt	ctggatatta	actctttatc	agatatataa	tttactaata	ttttcttcca
39841	tccacaagtt	ttttttaaca	ttgttatgtc	ctttaatgca	taaaagtttt	aaaaagtttg
39901	atgtagtccc	aattgtctat	tttttctttt	gttgtctgta	cttttggtgt	catattaaaa
39961	aataattgcc	atatccccct	attctaagag	ttttatagtt	ttagatcttc	catttaagtt
40021	ttaaatccat	tttgagttaa	ttcttgtata	tggcataaga	caaagtttca	acttcactct
40081	ttcatgtgtg	gatattccaag	tttcccaaca	ctgtttgttg	aagagaatgt	tcttccctca
40141	ttgagcggat	ctggaatgct	gtaaatatta	tttgaccata	tatgtggagt	tttcttttaa
40201	tgggttcttt	attctattcc	attggtctat	atgtctctct	ttaagccagt	gtcatgctgt
40261	tttaattact	gtagtcttgt	aacatgtttt	gagatcacgg	agcatgagac	cttcaactca
40321	gttagttttc	aagattgtct	agtcagagta	tatatgaata	tttagataaa	ttttctctct
40381	ttttcaaaaa	atgcagctta	gattttgata	gggattacat	ataatttgta	gactgctttg
40441	ggttctattg	acttttcaaa	ttaatacata	atgttgtaca	gatttgggga	atacatctga
40501	tattttggag	atcttaacat	taaatcttcc	aatccatgaa	taccaatgtc	tttacattta
40561	tttgtgactt	ctttcagtac	tgttttgtag	ttttcagtg	acaagccttt	ttttccctg
40621	gctaagttta	ttcctaagta	ttttactatt	tttgatggta	ttgtaattaa	attattttct
40681	taattacctt	tggattgttt	atagttaatt	tatagaaagg	caactgattt	ttgtgtgtcg
40741	attttggtac	ctgcaacttt	ccagaatttg	tttaatagtt	ccaacagttt	tctggatttt
40801	atgcatatat	gcattctaaca	gttttctaga	ttttatgcag	gagtctagga	ttttatgcat
40861	ataggatcaa	gtcatctgtg	agcagagata	attttacttt	tttcttttat	tctttggatg
40921	tcttttcttg	cttaattttt	ttttccta	tggtctgctt	ggaaattcaa	atactatatt
40981	gaatagaagc	gaagagacag	agtatacttg	tcttgttcct	aatccagaag	aaaagtttga
41041	atctttttacc	attgagtgtg	agtttacctg	tggatttttc	atatatggcc	tttattatgt
41101	tatttttctt	ctattcctag	tttgctgagt	gttttcgtga	taaaagggtg	taaattttgt
41161	taaacatttt	ttctacatca	atataaatga	tcatgctgtt	ttgtccttta	ttctattact
41221	atagtgtatt	acattgattt	ttgcatgttg	tattattcct	tttttttgag	atgaaatctc
41281	attctgtcat	tctggctgga	gtgcagtggc	atgacctcag	ctcactgcaa	catttgccct
41341	ctgggttcaa	gggatttctc	tgtctcagcc	tcccaaagtg	ctgggattac	aggcatgagc
41401	cagcacaccc	tgccacatgt	tctatcattc	ttgcattcca	ggaataaagc	caacctgatc
41461	atcacaaaata	ttggtctgta	gttttctttt	catgtaatgt	ctttgtttga	ttttgaaatc
41521	agggttaatac	tggcctcata	taatgagctt	tgaagtgttt	tttatattca	tttttgtaaa
41581	tgactttgag	aaacattggt	tctaattctt	ccttaaatgt	ttggtagtca	tccggttctg
41641	ggctgttgtt	tgtttgagg	tttttgaacc	agtttaatct	ccttcgtagt	tataagtctg
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41761	tgcacttcta	aattatccaa	tttgttgaca	tataattaac	tgttgatggt	attttcttat
41821	aatccttttg	atttctatgg	catgggttct	aatgttctct	tttttatttc	tgatttatta
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41941	aaaaaccacc	tcttagtttt	gttgattttt	ttctattggt	tttatattct	atatttcatt
42001	tatctctgat	ttaatcctaa	ctttaggatt	ttcctccttc	tgctagcttt	gggtgtagtt
42061	tttttctctc	cctagtttcc	tgaggataaa	agttagggtg	ttgatttgca	aactttcttc
42121	tacttctttt	tttttttttc	ttaagtgttg	gagatggggt	cttgctttgt	tgccagggt
42181	ggtctcaaat	tccctggcctc	cagaagtctt	cctccctcag	cctgtcaaa	tgtctgggatt
42241	gcaggcatga	cccaccatgc	ctagccactt	tcttcccttt	ataatgcaca	tatttatagc
42301	tataaaattc	tctgttagca	ctgcttctgc	tgcattctac	acattttggt	acattgtatt
42361	tttattttcc	tttatctcaa	gatattttct	aacttccctt	gtgatttctt	ttttgacca
42421	ttgcttggtg	aaaactgtgt	tgtttaattt	tcacatattt	gtgaattttt	tgttttctct
42481	ctgctactga	tgtctagtgt	tatgtcattt	tcatcaaaat	agatattttg	tataatttca
42541	atctttttaa	atttgttaca	agtttttttg	tggataaaca	tgtgatttat	ctttgggaat
42601	attccatgta	aacttgagaa	aaatactatt	ctgattttat	tgggtggaat	gttctgcaca
42661	tgtttgttag	cactatttat	agtgttggtc	aagtactgta	tttcttcttc	gattttctgt
42721	cttggtgttc	tagccattat	tgtaaagtga	gaattgaagt	cgccaccat	tattatgctg
42781	tttatgtttc	ctctctgatc	tgtcaatggt	tgcttcagat	atttaggagc	tctgggatta
42841	gaggtatata	tatttgtaat	tgttatatct	ttctgctgaa	ttgacttttt	gttatataat

# FIGURE 2 (cont.'d)

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42961	tagtcacttc	tgcttgcttt	tatttaccat	ttgcatggca	tttacttttc	ctttttttca
43021	ttttaagcat	atttgtttct	tagacctaaa	tgacaggata	aagttggatc	ctttttacaa
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43201	ttgtttttta	ttccttctct	tactgacctc	ttttgggttt	tgctgatttt	ttttgtgggt
43261	gacattttga	ttcccttcct	gtttcctttt	gtgtgtattc	tatagatttt	tttatggtta
43321	ccataagaat	tataaaaaac	atccttaaagt	gttaacaagc	tattttaaac	tgtaagaga
43381	ataacttcga	ctgtgtacaa	aaactatttc	ttcaaagctc	ctaccctcac	cttaggttac
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43621	tcataagact	tcattgttact	atttagcatc	cttttgtttc	aacttgcaag	atactacagc
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43741	tatgtttgaa	ggatggtttt	gctggatata	atatttttgg	ttgaaatttt	cttttctttc
43801	agctctttga	atatattatc	cccctgcctt	ctggcctgca	aggtttctgt	tgataaatcc
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43921	agattgtctc	tttgtctttg	actttttgaga	gtttgattat	agtgtgtctc	actgtgagtc
43981	tctgggtttt	ctttaacatt	ttttttttgt	tcatatcttc	tgatgatgaa	ttcctttaac
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44281	cttggtgtga	gtttcttcat	atttatgttg	cttgggggttc	attgagctta	ttaagtctgt
44341	aggttttatat	ttttcatttac	atttagaaaa	attgtagcca	ttattcattc	aaattttttt
44401	ctgttcttct	cccattttctc	atgcccttat	gggtctaat	tatatgtata	ttaggctatt
44461	tgagggttgc	ttacagctca	cttacagttc	ttatgtttat	ttttccactt	ctatttcatt
44521	tgggcagggt	tattatactt	ttccctaatt	tgctaatttt	tttgcaatgt	ctaateccact
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44701	tgagcatatg	aaatatagtt	atgacaacta	ttttatttta	ttacaacttt	taccttaggt
44761	tcagaggta	atgtgcagg	ttgtttgta	ggtaaaactcg	tgtcacagga	ttttgtttat
44821	tatttcata	ctcaggta	aagcctagta	cccaatagtt	gtttttctgt	tctctccct
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44941	actattttaa	tgtctctact	agttctctta	tttttgcat	ttctgagttg	attttatatt
45001	tctcactatg	gccatattct	cctacttctt	tgaatatctg	gtatgcaaat	tataacctagt
45061	atggatatta	tatcaagacc	ctgtcgcaat	atggataacct	aaaagaaaa	aacaatggtt
45121	accagtttgc	tctaagcctt	tcttagctct	tttgcttggt	tctcaagaac	aagcacagag
45181	ggtggagctc	aaccaagact	gaagttaaag	atgtagaaag	attgagatgg	gaagtaatta
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45301	gataatatgt	tgggaaagtt	gaaggcgaat	gtcttgagaa	atatgaaatg	cacccaaggc
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45421	tgctgagggt	aggggatagg	cctggaaaaa	ttgagcagtg	gtattgccc	ggcaggactc
45481	ctcatgacat	tctccagatc	cctaagtttt	tccaagtttc	caagcatttc	cttggccagc
45541	aagtcactct	gcagcacaga	tctactctc	tttcagtcag	tcattccaca	actctacaaa
45601	gcaattttct	ccatcaaagt	ggaacttttg	gggttctgca	taatttttca	gggttcacac
45661	acttttgact	ctttctggat	accttgtaag	gatattataa	ctctttaatt	cagtgccttg
45721	attttctctt	tttaactttta	atactgttca	ttgcctgttt	acctctttca	ccctcttctt
45781	ttcaactccg	ccctctttct	tgtgtaagta	tataatcatc	ctttttttct	tcctcgaatc
45841	tcagttctcg	ggagtaacat	atacaattca	ttcttacttc	cagtctttta	ttcctaagtt
45901	ccttatctct	agttctcttg	catatttggt	gcaattatta	gtttttttcc	aaaaatccat
45961	tctccctttt	tctgtacat	gtatctttcc	agcttgacca	catttccag	cttccctggc
46021	agctagggtga	agcaatgtaa	ctaaaacttt	gcctgtaaaa	tatgagcaga	agttatgtgc
46081	acaatatctg	cctcacttgc	ttaaaataaa	ttgtattatt	tgagctttct	atattgtccc
46141	tttttacaac	taaaatgtag	aggttatggc	aacttttatg	gtaaagagaa	tcacacagta

# FIGURE 2 (cont.'d)

46201	ggagatcaag	aatcattgat	ttgagaggaa	cctaaatcct	ttaatgactt	agtggagcaa
46261	gactgcccc	tcagtctgga	agctaccccc	caacttatgt	atatcttcag	attggtgagc
46321	aaaagagaaa	aaatgaagcc	actatatatt	taggtctctt	catgttaaca	gtttagcttt
46381	taacctaa	cacatttatt	cctgaatgg	agcatattat	taacatcaca	ggaagggaat
46441	tccttgttca	tggatctttt	attttggtga	aataaaggta	atctgcttgg	gcttaatact
46501	gccaaggcag	aatttttttg	aataattatt	tctatagatg	acccattcat	aatgacaact
46561	aacatggttt	ctaaaatgga	ttcatgtacg	tcactcttatt	tagtccccgc	aaaaattctg
46621	aaggtaggta	taattattcc	cattctatat	attgaaaaat	tgggattcag	agagactacg
46681	gacttataca	agtttctgca	gctattttaa	aaacagagta	aagtctcaaa	gccattaatg
46741	aactgttttag	tttagtgctg	cttagtaaaa	ttagaactgt	ttgaagtgcg	ttttaatagt
46801	aaacccatcg	atattttagtc	agctctctgc	ttgctaacta	atatggaaga	aaaaacatac
46861	atctacgtac	atcctgaatt	gggagaagg	aaataaaata	ttgccaatcc	ccttttctgt
46921	attaggtact	gtgataaggc	gataaggctt	ttcattatta	taaatgagtc	ctggagaggt
46981	taagcgagc	cacccaaagt	cacatgacca	gtaactttca	gagattttac	cccagggtctg
47041	gaaagactct	gaagcccatg	ttattgcctc	cagagcctgg	tggagaaccc	ctgaatggga
47101	cagagactca	gcagacagag	tggctccttc	cttcaggga	gtcagggaag	gtttggttagg
47161	ggagatagag	ttagatctgg	gtgggatttg	gatgaaatga	gatcaagcag	ggataaataa
47221	gatccaagct	gtttatgagg	gacagggaga	ggccagctct	gttagaaaga	gtgggtttata
47281	cagagaagca	tggaaacatt	tgctccatgc	ctcgccctcc	atggatagca	gtccagaaat
47341	gctacttgcc	tgctgacag	tctttctcca	gtccccaggt	gtggacacgt	tctgagcacc
47401	tgagcctggg	tctgcccctga	cccagattct	gtgagctggg	acagagaatg	tgtcctgctg
47461	tccctcctcc	cccacttggg	cccacaccct	tttctacaca	tttggattag	aaatctgaat
47521	tggcctttct	gtgaacccca	atgacaggca	agtccccagt	aaagaagcac	ttaattttaat
47581	tgctccttca	gggtccactt	agagataatg	ttgtgaacag	ctctccctag	tgtctccac
47641	aggcagtga	aaatgttgct	aaagataagt	cacaaattct	tggcaaggcc	atcttaata
47701	tgggaaggaa	accttggtca	gtcctgaaca	gtcctgttca	gactgatctt	atcacagggt
47761	gcacactgcc	tcaatgtcac	catgtttcta	ccctcagttg	tgcttggcag	agagaggaca
47821	gctatacata	aagtctgttc	actctacaaa	ggtgaaatca	ttttttttaa	ggtaattatg
47881	attgtttctga	ggatggtgat	tgagtgacat	ttaaaaaatg	ggaaaagttc	tactcataac
47941	tctgtctgct	taatttgctt	atataaaaga	cttaatggtt	tttgttgagt	tgtccagag
48001	tcagtaacat	ttgaatatgt	gttattacca	tttgatcagt	aacaaaacaa	cagggttaagt
48061	gggatgccaa	atgtggctga	gagtttaggg	tttacattcc	acaccccagc	cttaaatacg
48121	tttgataaaa	ttattggttg	atttttcttt	ttcatggctt	ttctttgaca	tttgatgggg
48181	ctggatttat	ggaggcaacc	aacaaattac	acagcaatga	attctggact	gtagtccac
48241	agccttgagc	ctagatacta	gctgtgtcac	taataactctg	tgtgaccagg	gtaagttatt
48301	tagatacatt	tatgactttc	caaatcaata	ggttggaaca	agttatcttc	aaaatgtctt
48361	tcagatttga	ccctgaacat	atgcgattct	ggcatgttct	gatttttagt	tttctgttct
48421	tgaagcatgt	ctacaataga	aatgcctacc	ttcatataca	ataaaaggac	attagattaa
48481	tatggtgtct	gtgaaaatca	ttgaacagct	ttagagataa	aaataatgaa	atgagtcaag
48541	ttctccatta	ttaattaaat	cttttaaat	ttctgtttat	gaaactatga	acaataaatt
48601	ggaacaaaga	tataatctca	ctacaagtaa	attgtatttt	atgtaaaata	taatttgtct
48661	ttagaaaata	ctcaatgaaa	ttaccttttt	aatttcagag	attttgagga	ctattattgt
48721	tatttcttta	aagtgataaa	tgtaatccaa	gatgcctttt	ttcccccttc	agaagcttga
48781	gtgcccagg	gtttgataaa	tgtggaaaat	aaccgctgtt	cgaatatcct	gttggcctgc
48841	tggtagatg	tcacgtgtt	gtctgaatgc	agtatgtgtt	taaacttgcc	atttattacc
48901	tgaattgtg	ttattttgcc	tcataccctt	agtaatactc	ttgtaatgct	ggctgagaat
48961	tgaagcaaat	gccctatgaa	actcaaggga	gcaaggctct	tgttattttt	cagaagaaat
49021	gactggctga	ggctgtaaag	aaatcttgtg	gtcattctca	tggaaagagg	attggagccc
49081	cgattctttg	atctcattat	tgaccagttg	attgagaaga	ctgtcctcct	gtccccaccc
49141	aatcacata	agtgggtaat	tacctgagg	ctaatttgct	ccttgaatgt	gaatacattt
49201	gtggaaattt	ccttgtgtct	agcacctgtt	caaaacatcc	atttgtattg	cagagctatt
49261	gtttttctaa	tctcattgtg	gagctaagag	agagattgtg	tttaaggttt	ccttcgtaat
49321	aggttttctt	gtccaggaa	ggatgcgtga	cagactctgc	acactgctgc	ttggtaggtg
49381	ttcagtgatg	gatgcgtttt	ccatctccca	ggtacagctg	cagctgtgct	gactctggtg
49441	cgtttgtaat	atgcactgtg	gagtgaccca	tgatttcatg	atggctggag	aaatctggtg

# FIGURE 2 (cont.'d)

49501	gctagaattc	tagggaggag	gacatgagtc	ggaagtgcag	aaacctcaca	ctgggacatt
49561	gatggagaaa	atccaattct	gtccctggag	ttaaagagga	gtcactcact	gggccatcat
49621	aagagcaaat	aaagttacag	ttatttcttc	agatccacaa	ctcaaactca	gcgaaagtaa
49681	ttatttactc	tttttgtccc	aaacaataat	gaaatcagct	aaagcatatt	gtattttatta
49741	cttccactca	agttattgag	ctgttctgac	accttggtgc	tgggaagata	cacagatgga
49801	acaccatcat	ttccattgat	tctgatcata	ccccacgcta	atatagcctt	attgctctga
49861	gtcataggga	ttttatgctt	gcctattcaa	aaaacagttt	ttaccttatt	aaaaggtgat
49921	atgacctgag	ctggagatga	tgtttggtca	ttttgtgtaa	accttttaat	attttagtgg
49981	taaatacatt	tcttgaatct	tgacaaaaac	ataattaaaa	tgaacatatt	taaaatggac
50041	atcttccaaa	tgttcatttt	taaaaaaaac	atcttccaaa	tgttcatttt	taaaatgaat
50101	atcttcgtta	actttttttt	ttttttttga	gacggagtct	cgtctgtca	cccaggctgg
50161	agtgcagtgg	cgcgatctcg	gtcactgca	agctccgcct	cccgggttca	cgccattctc
50221	ctgcctcagc	ctccagagta	gctaggacta	caggcgcccg	ccaccacgcc	cggctaattt
50281	ttgtattttt	agtagagacg	gggtttcacc	gtgttagcca	ggaaggtctc	gatctcctga
50341	cettctgatc	caccctccac	ggcctcccaa	agtgtggtga	ttacaggcgt	gagtcaccac
50401	gcccagcctc	ttccttaact	tttaatgaat	aaagagtga	aaaggaaaaa	ccaaatgtgc
50461	actatgctga	ttttatcttg	agctgtcag	aatgtgcagt	aacttaagaa	tataagtcac
50521	tctgtgttta	ttcatactag	cctattcttt	agcattattt	aaacacacac	atttgagtgt
50581	ctacacactg	cctgctaggc	agggggctgg	gtgccaagaa	gggatgtcca	gagataaacg
50641	ggcatatgtg	ttaatctttt	agggcacagt	ccagtaacct	gatcaaggag	tgacgtgtat
50701	tgtgtactag	gatagaagtc	agtatcagag	gaaacacaaa	ggaaagagtg	gtactttctc
50761	cccagggaag	ggatgctcag	aaagaggggg	ctgattatgt	ccctggttca	tgagaaaaag
50821	ggcattcctg	gctcaggagg	tgggaagaac	aaaaccaaga	aatcctggaa	tggcttggtg
50881	catcagccag	tctgtgagtg	cagggtctgg	ctggagtctc	ggctttaaga	tgagtgggaa
50941	gaaaggctgg	agaggaggtg	gatccaggaa	aagttgctgg	gagcatttat	tcttttggca
51001	atgggaagcc	atggaagaac	tgttgtaagg	aggattctgt	gtgatacatc	tgccttttag
51061	agaggtcatt	ttatagaaaa	agtagaaaat	acagaccagc	aaaaatttaa	aaagtgaaaa
51121	caatcactgt	tcaagctctg	gtctagcact	caccagtgtt	tttctacacg	gtgcatatac
51181	aaacatgctt	ttacattttt	tttttatttt	aaatttttca	ctatcctcaa	tatcagtgga
51241	aacaaatctg	ctttttttaat	ttttttttta	aaaaatgagat	cctattgtac	acattatttt
51301	aatatttttt	tcattctttt	ctttttttta	aattaaaaaca	attttttttg	acagagctct
51361	actctgtcgc	ccaggctaga	gtgcagcatc	gtggtctcag	ctcaccgaaa	ccttgccctc
51421	cagggttcaag	cgattctcct	gcctcagcct	tccaagtagc	tgggattaca	gacatccacc
51481	accaccgtgt	cagggttaatt	tttgtaattt	tagtagagaa	tggggtttca	ccatttttga
51541	caggctggtc	ttgaattccg	cggatccttc	tatagtgtca	cctaaatgtc	gacggccagg
51601	cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
51661	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nagcgtattc	gcccgtggtg
51721	aagatcgtag	tagagtctac	cacctcgcc	gtgaacctgg	ctcagggggc	gcagccgggg
51781	tgggcgaccc	agccaggtct	gcggagcgg	gcccggcggc	aacccctca	cggacgtgg
51841	gaactcccca	ccccgtcccc	attcagcgtc	agcgggtggg	gggccaggcc	cgccccaggt
51901	agtcaggcag	gggtcccggc	tcctcccca	ggaccaccgc	cccgcggggc	ctcacgtcct
51961	gatggcttcc	cacaccagga	gcccgtcgtc	ccggtagaag	tagtagggga	tgtcttcttt
52021	gctctccatg	ccccgggcct	tgatggcctc	gggaaagcac	agggaggcat	aggtcaggtc
52081	cttcatggcc	ctctgcacca	tctgcacgtg	cccaccgccc	cctgtggcgt	tggcctggag
52141	tgggaggtag	agtgcctga	gcgggtggct	cctcccacag	ctgtccagac	ccatccctga
52201	ggaaatgtgc	caggggaggc	gaggaggcca	ggcaggcaga	ggtgcaagcc	cttgcctgt
52261	gagatggggg	agggatgttt	aacgcagaga	atgacaaggg	cagccgggtg	gagaggtgct
52321	agggaggagc	ctcccgccca	atccaatgca	agggactgaa	ccgtggggct	gcagagtaca
52381	agagggaagg	gtgcgctccc	agccacagga	gggcagcagg	cgtgggcagg	tgtgtggggg
52441	accccagcac	cagcgggcct	gggctgtgaa	gtctgctcta	gtgctgagca	cacgacctc
52501	agtcatttgt	ctcagtgacc	ctcagtttcc	aggacccatg	caactctggt	gagggcctgt
52561	tgtgtgctca	ggtgagggct	ggagagaccc	acaaggaggg	atcctggtcc	tgatcccgat
52621	ccggccttct	gagtgatgca	gacacatca	caagctcact	ggcacatatg	tgtgtccacg
52681	tgacacacac	cacatgcaaa	tacaccaggg	gggctgggct	gtcggtgcca	cagaggtttt
52741	gaagaaggac	ttgggtgctg	gggtgccaga	gattggtcca	cgggtgggcat	tcagcccaag

# FIGURE 2 (cont.'d)

52801	caggaccaac	cagagctgcc	ccccagcact	ttctgtttag	atgcggctgg	gagataatgg
52861	ccacatgaga	acctgaggtg	gagctactat	gatgagctcc	tgtgccctct	cccatggggg
52921	cctgtctgca	gcaggagagt	gtgatgccaa	cacaggtgaa	agagacagaa	agaggagacc
52981	agtgtgcatg	caccctgggg	cattgcttga	gtccctggat	ccatttctgg	ctgaggcccc
53041	cgaccctcta	ttgtgtccag	gtatttgaga	taaggcatgt	cttgtccagc	tgcagctggg
53101	ttgagttggg	ttttgtcatt	tgcagcccaa	acagtgtctc	aacttcagtg	gtcatctggc
53161	ctggtcacta	atgggctggg	gaaaggagga	agggtggggc	aaggggccat	gtgagagtcc
53221	aagcttggtg	aggctacaga	gggctcaaaa	cgaggtgggg	tgtacacctg	gggatgagag
53281	ggctgggcag	ggcctggagt	ccccgatgca	ggagacagtg	gggtgggagg	gttgggaccc
53341	gggaagcaga	gtgctgggga	gggtccaggtc	agggtggcag	gggtgtggca	gattaagagg
53401	gcagacagag	ttcctgggtg	gtaggaggtc	agggggccat	aaggagtgtg	ttccagaggg
53461	gggtctacac	ccagggtccca	gagggtggga	gaggggaggg	gtgggaggag	gggaccagga
53521	gccatcagtg	agaaggaaga	cctgggtggtg	cgctggagg	agtgtcctctg	gctgaatggc
53581	acgggctgga	gacatcagga	ggatgctgga	gccagtgtctc	tgagcagact	ccagccttca
53641	cccttcagg	cctcctgaaa	gggtgtctag	atctcagata	gggagtgaag	gcggccaggc
53701	tgggctcttc	caggcaacaa	gtagggtagg	agggcaccca	ccttgtcaaa	gaggccacac
53761	tcgcagatga	gctgtccacg	ggccttggtg	ttgattgcaa	tgggtgaatc	caggtgtgcc
53821	accagcagct	ggggagggga	gagggtagg	cctcagaggg	ggcccagtc	ggcagcttgg
53881	tgcctcagg	acccgcagct	ccccaccca	ggcctgccct	ataggatgat	gctgggcgca
53941	gggaggaagt	gaaggctggg	tgtgatctt	tctgctgaat	aagtgtctgga	ggcctgcacc
54001	cctctgatgc	ttactaagca	tgataatgat	tcagaggggtc	ctggccagca	cttgtacaat
54061	gcttacctct	ttgtccctctg	agttcactgt	cttaatctga	ccatcattct	gtaaggcagc
54121	tgtactat	gacctgtttt	actggtgagg	aaactgaggc	acatgggtac	ttttagcatg
54181	cagtcacccc	agcagccaat	gctttagga	ttcgagaaca	gggacggaga	gtgatggcag
54241	ggcgcccat	cagcatcagc	cgaggatcac	catgaactca	tttgcccttt	ccaactctac
54301	tggctggcca	gcgaggcccg	tgtgtcaggc	ccatgcccc	gccgcgtgtc	ctggggaaca
54361	gcaggctcct	agctgttttc	ttccttttag	ggcattactg	actctgagaa	catctctcca
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54541	tgaanaatgg	gtgcacagca	ggcagctggc	ggtacattgc	aatgcaaaaa	acctcagaca
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54661	cccagatttt	ggccaaaagc	cagtgtatt	ttgcatccga	agggaggaaa	atagggttct
54721	catctcccg	gatttggttg	agctgataca	ttgggggaaa	ggaaacacac	tgctatattt
54781	cacttcagag	tatagttggt	ggagaacttc	gcctcttggg	aagttccaga	agtatctgaa
54841	tttctttaac	agtgaacttg	gaatcagaag	agcctggagg	gggtaaagg	ccctgcggtg
54901	gtatttcctg	tcccagccat	attacttaca	acctgcatga	ctctggatga	cacactgggc
54961	tttctaagct	ccggcttcag	catctgtcat	gtggggacag	tgatcgctcg	gctcacagtt
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55321	acctgtggcc	aggcacctcc	tgtagcagag	gctggacctg	tcttcccttt	ccagtttcca
55381	ctccacactg	ggacaagggtg	agtttttttc	ttttccaaaa	tgcaaatcat	gtcatgttaa
55441	ctgcctcctc	aatcacctct	taatgccaga	aaataaaatc	cccaagctct	gtggtgacct
55501	ggttgctgat	gcctctgtac	acacagcctc	actttcgtgc	ccccacacca	gcacccagcc
55561	ccaggctccct	ccatgccagc	agccctgcac	gttgccccc	tattgagagc	ccagcacagc
55621	ctcagcacc	gacagtga	tctcacggga	gccggcagca	gggtgctggca	ttgccattt
55681	ttacatgaag	acatggggta	ttggaggggg	tgacagaaag	aatgaggtgg	gtggcagggc
55741	tgcagccaag	agcggccagg	aaggggcatg	gccagacttt	aggtgctggg	aaagaccagt
55801	gtcactgcag	cacagtgggtc	atggctgggg	agggagaact	gtcccagagc	acacagctgt
55861	gtcacttgct	ataagtattg	tggaaagggtg	ggctccttggg	cgtctctccc	tcgaaaacag
55921	tgtgttccaa	tagacatata	atgctacccc	acacatggaa	ttgtatatat	tcaggaagcc
55981	atattaataa	aaataaaaag	aaacagggtga	aatgccgggtg	aataatataa	ttttatttta
56041	cccaatatat	ccagaatatt	atcacttcaa	catgaaacca	atctaaaact	attaaatgag

# FIGURE 2 (cont.'d)

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56101 atatttcaca ttccccacct ccttattcta agtcttaaaa atcaggtgtg aactttgcac
56161 ttgcagcagg ttttggtttg gacgagccaa atcccaagtg ctccagagcc ctggtggcca
56221 gtggctccac cctggtcaga gagaccccag aagcctcagc actccctgag gaccaaggag
56281 gggggaggga ggaggagag cagagtgtga cttgcacatt aggcgtgcct gtctgtttat
56341 acttgagatt agttggctgc ttttaaatac cagacagttt cacataaaaa tttgaatgac
56401 ctggttttct tgaaaaatta gaaggtctca gaactctgca cccaggttct cacagaacta
56461 cgctcttgtc ctttttacag agtcccagct ctcagggtcc ccactgccac acccgtttgc
56521 atgagatgcc tgggccactg atacctgatc tgtgccctag aatgctgggc tgccctggcat
56581 gctctgagac actttctgac atgtcccccac atgctctgac atgttccctga tggctctggg
56641 acactgacat gttcctgatg gctctgggac actgacatgt tcctgacatc ctctggggcc
56701 gaggagcccc cctgttgtgt gctaggggct ttacccatgc tatctcactt aatcctcact
56761 ttgaccctgc aaggcagata ttccttgctg taccattttt acatgggggg aaactgaggc
56821 tccagctggt ttagcagctc tcccaagtca cacagtaggt aaagagctca gccggcaaca
56881 tgatattgaa caggcaaaaa ttggaagcaa tccccctaaa aactggaaca agacaaggat
56941 gtccactctc acccctccta ttcaatagag tactggaagt cctagtccag gcaattaggc
57001 aagagaaaga aataaaaagg atccaaatga aaaaaaaaaa aagaggaagt caaattatct
57061 ttgttctatc atgatatgat tctataccta gaaaaccctg aagattcctc caaagagctc
57121 ctgacttga taaacaactt cagtaaagtc tcaatgttat aagtaaaatg cttgtttaga
57181 aacagaatgc ttgttctctg gtactgcaag gaaaaatcag catttagaca aaaagttttt
57241 ttagcaagcc aattttactt tctgcagaaa ggggtgctct cgcagatgga acaatggcga
57301 gagcacacct gaataatgga gagaagcaat ttttattcct tacgcagctt gtccctgcta
57361 ccgtgtcctg tctccattgg ctggagccaa acctcacagt ctaaaactaa acccgactgg
57421 ctaataactt aaaacttttc taaataggtg aaagcagtgg aaagacaaag gaaaagagga
57481 agttgcttat gaaaggactt agaaaagtta taacatttcc aaataaggaa ggggcattgg
57541 ctgcaagctg ggacatgcct gtgagcagct ccagcacaaa tatcttgggt aaagtacaag
57601 gacatagaat gtactcattc ccttatatct aacagctaca tatgatagg ctttaacaaa
57661 agttatttag acaaagcgaa aaggcttaaa aaaagttagt ctttagaaaa aactattatt
57721 tctaacacat aattttactc ttaacaaaaa aaaaactttt gactttctac actcaagata
57781 caaaatcagt gtacaaaaat cagtagcatt tctttttatt tgagacggag tctcactatc
57841 acccaggctg gagtgcagtg gtgtgatcgc agctcactgc aacctccgcc tcccagggtc
57901 aagcaattct cctgcctcag cctcccaagc agctgggatt acaggcaggt gttaccacac
57961 ctggctaatt tttgtatttt taattgagac ggggtttcac catgttgggt aggctggtct
58021 caaactcctg acctcaggtg atctgcccac ctcgccctcc caaagtgtct ggattacagg
58081 cgtgagccac tgtgcctggc ctaaaaatca gtagcatttc tatgcaccaa caatgttcag
58141 gttcaggctg agaaccatat caggaacgtg gtgatctcag ttacaatagt cccccatata
58201 caaaataaaa taccaaagaa tgtatccagc caaggagggtg aaagagctct acagagagaa
58261 ctataaaaca ctgatgaaag aaatcataga tgacacaaaa aaatggaaaa acatcccagc
58321 taatgggttg gaagaaagca atctacagat acaacacaat tcctatcaaa tlatcaacat
58381 catttttcac agaattagaa aaaaaaatcc taaaattcat atggaaccaa aaaatagccg
58441 aatagccaaa gcaatcctag gcaaaaaatac aaagctggag gcatcacatt acctgacttc
58501 aaactatact acaagactac agtaacaaaa acagcatggt atactggtac aaaaataggc
58561 acagagatca atggaacaga acagagaacc cagaaataaa gccatatacc tgcaaccaac
58621 tgatttttga caaaatcaac aaaaataaac aataaggaaa ggacatccta ttcaataaat
58681 agtgttggaa aaactggcta cctatatgca gaagaatgac gctgggcccc tacctctcac
58741 catatacaaa aattacctct agatggatta cagacttaaa tgtaagactt caaactttaa
58801 acattctaga agaaaaccta ggaaaaaatc ttatggacat ttccaggcca aagaatttat
58861 gactagacct caaaggcata tgcaacaaaa acaaaaattg acaaatgaga cttaatcaaa
58921 ttaaagagct tctgcacagc aaaacaaact atcaacaaag taaacagaca acctacagaa
58981 tgagagaaaa tatttgcaac tatgcatcca caaacgacta ataccagaa tctatgagga
59041 acttaagaaa aaacaccacc attaaaaagt gggcaaagga caggaacaga cacttctcaa
59101 aagaagacat acaagtggcc aacaaacata tgaaaaaatg cccaacatca ctaatcatca
59161 gagaaatgca aattaaaacc acaaagggat accagtcaga atggctatta ttaaaaagta
59221 aaaaaatgac agatgtttggc aggatgcaga caaaagggaa tgcttacaca ctgttgggtg
59281 cagtgtaaat tacttccatc cctgtggaaa gcagtttgga gattttgcaa agaactgcaa
59341 atagaattac cagttgacct aacaacccca ttactgtgta cctacccaaa ggaaaagaaa

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FIGURE 2 (cont.'d)

59401	ttgtttttacc	aaaaggacat	aggcacacat	atgttttattg	cagcactggt	cacaatatca
59461	aaatcatgta	atcaacctag	gtgcccacat	atagtggcac	cagataaaga	aaatgtgata
59521	catgtactcc	aaggaatact	acatagccat	aaaaaagaat	gaaatcgtgt	tctttgcagc
59581	aacatggatg	cagcttagga	ttggcactta	agccataatc	ttaagtgaat	taaccagaa
59641	acagaaaatc	gaatactgca	tgttcttatt	tataagtggg	agctaagcat	tgtgtacaca
59701	tgggcataaa	agtgggaaca	aaagacactg	gggactccag	gaaggggagg	gagggaggaa
59761	aggggttga	aactgggtat	tgggtactat	gctcagtatt	tgagtgatgg	gttcaataga
59821	agcctaaccc	cagcattatg	caatataacc	atgtaacaaa	cctgcacatg	tacctgaatc
59881	taaaatttta	tatattaaaa	aaaaaaaaac	tgttctgacc	agtaaaaaaa	gagctgaatg
59941	aggatgggcc	cagtgcctcg	cctatttcag	cccatcactc	tcccttctgc	ttctcttcac
60001	ctcccgccct	gaccggccct	cacctgccca	tctccttgag	ctcttgatcc	actgagctgg
60061	gccttcccca	acccatcctt	cacatcctcc	cactcctgtc	caggattttg	gcctgccatg
60121	ggatgccaga	acttgccctg	agcaatttgt	gtttcttaaa	tttgtttttt	gggtaaggaa
60181	gtagctttgc	gtttctgatt	agaaaagaat	atgtgcttat	cgtaaaaaga	aatctgagtc
60241	atgacaggag	agcctgagaa	agaaaacatc	atctcatctt	ccagcgccca	gggataacca
60301	ccaaattctg	gggagcctcc	tttcataggt	ctttgcatgt	gtgcacattt	atctgtccaa
60361	ttttccatca	actgaatatg	attataatca	acatctgtct	ctttgttttg	ctcacctgtc
60421	ccccactggg	ccatcactgt	gttcctacct	ggtgacactg	cgctcctgtg	tccccatgct
60481	ggcacagtag	gcctgctgca	tccttgcat	cattttacat	aagtgagacc	atgccattg
60541	ccttagcagt	ttgaaggagc	tatttgata	cgacagatat	gtatccttta	tcgggtccctt
60601	gtgtcttggt	tttccactgt	taactcattg	tggagacccc	tccaggtcag	ctggaaggga
60661	accaaagcat	tcctttcaaa	gacgcctcaa	cattttatgg	tgaggacatg	gaagggctca
60721	ctcactcaat	cctcttctgc	cttcagactg	ttttcaattt	ttttcccat	cacaaactat
60781	gctcctggtg	ctaccacac	acatttgtgc	tttcatttct	gctgagtggc	tgctagcgaa
60841	ggctgagcct	tgggggtttg	ggtatgtttt	cgagtagaca	gtgcctgccc	tactgttctt
60901	cagacagctt	cactctcctg	gtgcacacct	gttcagtgtc	actggctgtc	agaacactta
60961	aacaataaag	tccctccag	tgtcctcca	attgagacgg	ggcaggggcc	tcctcttagg
61021	gcaactgtag	ccccagccc	cgcaacaggg	catggaaatg	aaggaaaatc	ccgagttcct
61081	tgaagggaag	ttccaggcac	ctagctagcc	ctgagaaata	aatgagcaac	ttgacaaaca
61141	agagggtaac	agcagcctaa	aacaacagcc	aaggaagcca	gagtcctggg	ctgtttggtt
61201	ccctctggaa	actaaagaga	acccctgaac	atgtgtctct	gagttgtttt	tcagaaacct
61261	agaccgccac	caaaccgatc	cactggcaca	gagacctcag	ataagacgga	actgaggtct
61321	gaactctgag	caggtctttt	gttctaaatt	tcttctggg	gggcctggg	gaagtccgc
61381	ccacaagcca	cagctaacat	tcctttctgg	taacccaaat	ttttaaatga	aacttctctt
61441	ccttaaccaa	tttcaaaaca	acaaattttt	gaatctacct	atgacctgga	agccacccc
61501	cacttcaaga	tatcccgccc	ttttaggcca	aaaccaatgt	gtaccctcca	tgtattgatt
61561	aatgattttg	cctgttaact	tctgcaattc	ctgaaattca	ctctgccttt	aaaaaccctt
61621	acctgcaagc	catcagggag	ttccggctct	aagagtgagc	tgcccaattc	tccttttttg
61681	gtccccgcaa	taaatgcctt	gtgttctcgt	agattataatc	ccaatctcag	tgtttgggtt
61741	tgctgcactg	ggcaagcaga	tcccagtcca	gctcggtaac	acaactgtcc	tcgccacgac
61801	agcctcaacc	ccaggaccct	ctgaccgccc	actgcaacat	gcacctggta	cagcaggcgc
61861	tgtgggatct	gctccggtgc	tggccgaagc	tctgaccttg	ctccggtgct	ggccgaagct
61921	ctgaccttg	gctgccag	cccaccagtt	atcccgtgaa	cactgccagg	ctgcaacaac
61981	tcatgagcag	agcatggggc	tccgtccttg	ctggtgtctg	ggagttaccc	ctttgttttt
62041	ccaaccaggc	atgtcagaaa	tgatattctca	ttgttaactt	tcatttgcat	ttctctaact
62101	acaggtgaag	ttaggagttt	ttccatatgc	tggttgocca	tttacatttc	ttcttttggtg
62161	aattgcctat	tcatattctc	tgtctatttt	tccactggag	tattgggtatt	ttcccgctcaa
62221	tgtaaaggag	ctacctgtgt	atcatagata	ggcatctctt	agctgtcact	tctgttatgg
62281	ttactacccc	taatctctgt	tttgcttttt	ggctttggtt	atggttttatc	actcaagttt
62341	taaaacatta	cataatcaaa	tatgcttagc	tttccoctta	taacttcttg	gtttcctttt
62401	ccttctaaaa	gtcttctgag	tgtctgcgta	attagttttt	ctaaattcgt	ttactttttt
62461	catttttaatt	tttacttcat	ctgaattttt	tctttttctt	ctaagcaact	cctctacatg
62521	atgagattta	tttttgtaaa	tggcagtaca	gagcagtcca	atttaatttt	cttctcatgc
62581	aaaggcagtg	tgatagcatc	attaaaataa	tatccctttt	tcactgagtt	gaaaaacctc
62641	cattgtgata	cactgaattc	ctctgtgggg	gagtcatttt	ctggatctta	ctctatactg



FIGURE 2 (cont.'d)

62701	tcccccaatt	ctctctgttt	tcaagcacag	tgtctgctta	acagtaacct	tacaaatcca
62761	gcaaggaaa	gtttccttct	gtgttttctt	ttactttttt	tttttttttt	aaagataggg
62821	tcttactctg	ttgccagtg	tggagtgcag	tggagcgacc	atggctcact	gcagcctcaa
62881	actcctggac	tcaagccatc	ctcccacctc	agcctcctga	gcagttggga	ttacaggcat
62941	gcgccaccat	acctaatttt	ttctattaat	tttttttttt	tttaagacat	gaggtctcac
63001	ttggttgccc	tgcctctcta	tgtggtttta	atttttttca	aaaaattttt	gactatgcta
63061	gatttctttt	tccatatgaa	tctttcaatt	ttttaattgt	tttctctcct	ttttagttcc
63121	tcttcaccac	caccacaccc	ccaccaagaa	agataaaaaa	ttctggctga	aattttactt
63181	gaaagtgcac	taagttttta	taattagaatt	tggtagaact	gacattttta	cagtttctct
63241	cccaatatca	aatcactggt	aagagttcat	tgtatatcct	ttaaaataac	tttatagttg
63301	gccgggtgcg	gtagctcacg	cctgtaatgc	caacactttg	ggaggctgag	gcaggcaaat
63361	cacaaggtca	ggagttcgag	accagcctgg	ccaacatggg	gaaatgccgt	ctctactaaa
63421	aatacaaaaa	attagctggg	cgtggtggca	ggtgcctgta	atcccagcta	ctcgggaggg
63481	tgaggcagga	gaattgcttg	aacctgggag	gtggaggttg	cagtgcgcgc	agatcacgcc
63541	actgcactct	agcctgggtg	acagtgcgaa	actccatctc	aaataaataa	ataaaataat
63601	aaataaataa	ataaatqaat	aactttatag	tttttcctta	tatgggcatt	atattttatt
63661	gttagtatgg	agaaaggcta	ttgatttttt	tgagaaatat	atttatctaa	acactttgcc
63721	aaatgaattt	attaatctag	tagcttttaa	aaaaattaga	atctcttggt	ttttctaggt
63781	ctaccatagc	attaccagaa	aagatcatct	tccctgttct	ttgacaatat	gtttattgat
63841	tgttttcctg	ttttatcatg	tggtatgacc	tctaaaataa	tgttgaataa	aaacagtgat
63901	atcagcattc	ttattatttt	aatggaaatg	gcattagagt	tgcacctttt	tgatgttagc
63961	tatcttttct	atataaaagta	aggttcctcc	tattaatttt	tattagttgt	ggctattaaa
64021	tgttattaaa	ttccctttta	gtgtgaattg	atataatcat	aaactttatc	cttatgggta
64081	taataaatta	tgggtgtagc	tctcttgata	ttgaaatata	tggaataaac	cctgcttggt
64141	tattacatat	agtcatttaa	tacactgctg	cactcacttc	gctaatatca	cctttagttt
64201	tctttttaa	ctttatttaa	tacttggaat	ggcttccagc	cttcttttga	agcctgcctg
64261	tatccagttt	cagaactaag	cttacaccag	ctttatatga	tcaatttggg	gctgataaag
64321	agccctggaa	atgtcagctg	tctagtggct	gggtgagact	cagctgctcg	ctgtgtaggt
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64501	aatcataatt	actgttcttt	tctcttgata	ttttttttta	agagacgggg	tcttgatatg
64561	ttgctcaggc	tagactgctg	tggctattca	caggtgtgat	catagcacac	tacagcctca
64621	agtgcgcctc	ctgcctcagc	ctctcaagta	gctgggacta	cagttgtgta	ccaccatggg
64681	gcctggctat	aattactctt	tttatgattc	cttttttatt	ccgaatcttg	catttttttt
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64861	gtttgcaaac	tttccatttt	cagaagaaga	aagagacca	ggaacattct	gtgccttgct
64921	caaggtccca	cagcctgcta	gcaagtggct	gaactggaat	ttaagctagg	cccctgactc
64981	caggctgctc	caagagatct	ctgagccaag	cttttgaagg	caccatcagt	gggtgcctggg
65041	atctccgggg	atctcccagc	aattttgtct	tcttttaggt	cacctgtccc	tttacctgct
65101	gcttcagttt	cttaggcaca	gggcttctct	ctggtaacag	acaggaagct	cctctgaggg
65161	tacgtgcccc	tgggagactg	tggggaggct	ggaatctaga	gtcagatgac	ctggcttgaa
65221	tcctagctct	gtggctggct	gtgggcacct	gtgtctcagt	tttcttatct	gggtaaaatg
65281	atcaacatca	atagagccca	ctacctagga	tggttggtgt	gatgattaca	caaataaaga
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65401	agcagtgggt	atacttcatt	atgtgccata	ccccctccca	ccccagctct	agggcaacat
65461	actattttac	aatcgaacag	agcagtattt	ctgcagtgat	ccacatacat	atcacattga
65521	atggaaaaag	cctctaaata	acctcaccta	ttgcttcaaa	gaaggtttgt	ttacaaacaa
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65641	gagggttaag	gattgcggac	tgtgcagggt	aacctatagg	atagccttgg	catgtggctg
65701	gtgcctgacc	tatccagctg	ctattgtgtc	cacagctccc	aagggtccagt	tcatggacat
65761	tatttgctga	atgctcatct	gccagtctcc	cacgggtgtcc	tctgcgcagt	tctccctac
65821	tcccagggac	ctatgccacg	tccagtcctg	gccttggccc	ctgctgtctg	cacaccagct
65881	cccagcctgg	cagcaggctg	gtgccaggaa	cagggggaga	caaagccctg	tgcccgcctg
65941	ccttttctcc	agggtctccc	tcttctctct	gcctcatctc	cggtggacat	aagaactcac

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# FIGURE 2 (cont.'d)

66001	atcatcatca	aaggtggcat	accaggactg	gcctggttcc	tgaccccaga	acccatggtg
66061	cccctcagtg	gtcttggtct	ccagcttagt	ccacagcttc	acctgcctgg	cccctggcag
66121	caccttgact	gggggccctt	ggtcaggggtg	ctgggggtgga	gagtgcagaa	tatgatccca
66181	gggcaggtcc	tccacagtgt	gcctcgactg	gccaggggct	tctcaagtgt	gccttgggga
66241	gtagaacct	ctccgccct	atggacagcc	cacctcaggg	cctgcaggaa	gccctagtgt
66301	ctttcaagac	atagcttcct	cagctggagt	gtgaatggag	ccacccagga	gccctggatc
66361	gcagaggact	gagctgctca	gaaaggtgtg	ccccccagca	gcctacctgg	atggcaatgg
66421	ggacaatctt	gttggccagg	ttcttatata	gcaagcagat	gggagcggcc	aggaactgga
66481	gtgtgcagg	gtctgttttg	ttggcatcga	tgccatccag	cagctcaaag	tccacgatga
66541	aaatgttccc	ttgctgcagg	aggcagagag	atgtgtccaa	atcaggctca	gcagacggac
66601	caaaaatcag	gcctggggaa	agagtgatga	cctctgggca	ccccctctcc	tttctctcga
66661	ctcagcggag	ctcagaatgt	gtacttctct	cctctgactc	caaggctgat	tgattcacat
66721	ggaaggtgtt	cacaggttgt	ggcagttcgg	ggtaagatga	aggaatggca	gcagctcatt
66781	cggcatttgt	ggtgtctgaa	acctgcttga	ctggcacgaa	agatgagaga	ccgacccgag
66841	tgtcagttta	ctaagaagaa	agaggttagg	tgaatatagat	gtgacgagtt	aatgccaat
66901	cttcaccacg	gggctgaagg	tccgnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
66961	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
67021	nnnnggggtc	ctcagggact	gggcctcagc	ccgcgggtgg	ttccacccta	ggcttcccca
67081	agtcggtcaa	gagccgggag	cagctgtcgg	agtacctgac	cgtggtgatc	ttcaccgcct
67141	ccgccagca	cgccgcggtc	aacttcggcc	aggtaggcag	ggccggggcc	gctgggcagg
67201	gctcccttct	caaggccgct	gcctcctccc	ccgccccggg	tctgcacgcg	tactgcaccc
67261	tcggacagcc	tcggggcctg	gcacgggact	tgcaggatgg	attctgcccg	ctcagccaag
67321	ggcgtggcc	gcggggaaag	aggatggacg	gactgcaggg	cccgttggag	ttggggggca
67381	cgggaggac	ggggcccagg	gggcagctgg	gcagcagggc	ttcgggggtg	cccacgcttg
67441	ctggcggctg	tctccgcagt	acgactgggtg	ctcctggatc	cccaatgcgc	ccccaccat
67501	gcgagccccg	ccaccgactg	ccaagggcgt	ggtgaccatt	gagcagatcg	tggacacgct
67561	gcccgcgcgc	ggccgctcct	gctggcatct	gggtgcagtg	tgggcgctga	gccagttcca
67621	ggaaaacgag	gtgaagctgg	gcagggcggg	gcacagcccc	aggtcacccc	aggttaagcg
67681	gttcctcagc	ctcagggcct	tgtgactcgg	gccccaaagg	tcacttggag	caaaggaatc
67741	ctgacttcca	aggctggaag	ggcccagaag	gctgcagccg	ccaccaggtc	ccccggcctc
67801	agctcggaca	gagctcaggg	tgtgcagggc	aggagagcac	acagcccagg	ccctgctcac
67861	tgtcaccaga	gggtcgtgtg	tgacgcccc	tccccccagc	tattgacaaa	gttcttgac
67921	atgtgtttta	ccctggtact	ccagagggaa	tgaccaagag	tttcttgggt	tccttcggga
67981	cacgtgcac	tcatttaacc	taacaactga	atccgggtgtg	tcttcgtgga	tgcacccgct
68041	ttggggtagc	tcagtactgc	atagaatggc	cggaccagtc	caacctgctc	cagactgctg
68101	ggtgtctgag	ttgttcccgg	ccaatgtgtt	ggtccctcac	tggacatcct	tgtttttgtg
68161	gctttgcaca	tgtgttcagt	atgaccgcac	acattcctag	cagacaaatt	cccttggtcaa
68221	agaatattga	tactgaattg	ccctccacaa	actaaattca	aaatcccat	atcaatagcc
68281	tatgtttctt	ggacctttcc	agctcagaag	ctttgtgata	ttaatccaat	acagtatttt
68341	tttaaaatga	tatctagctc	tgccccgcag	acatctgtgt	gagaatgcaa	ataagcacag
68401	gaccccaaca	gggcagccac	cccttcaggc	tccctggccc	gctttctgcc	ttcctgggct
68461	ggagaggcca	gtgctggccc	cagcgccct	gatgggaggt	gagagtgtctg	cgcaggggtg
68521	gcccagaca	gcaggatacc	atggctgcaa	acaccagcag	ccccagctt	catctgcac
68581	atctcgtaac	cacttggcag	caggcagtta	ttttcccaact	tatccatgaa	gccccagccc
68641	tggagccttc	cttagagaag	caggttggag	gcgacgacac	ttgccttccc	gaggccctct
68701	tgtcaggcag	cagaggggtga	atatggggag	gtgaatagat	gctccctcct	tcacttccca
68761	aacggtggct	ggcccccttg	gatgagacag	gcctgtcagt	ttacacgggt	agtggattga
68821	cctatgtgtg	tgtccatgtc	tgggccctca	gctgttccctg	ggcatgtacc	cagaagagca
68881	ttttatcgag	aagcctgtga	aggaagccat	ggcccgattc	cgcaagaacc	tcgaggccat
68941	tgtcagcgtg	attgctgagc	gcaacaagaa	gaagcagctg	ccatattact	acttgtcccc
69001	agaccggatt	ccgaacagtg	tggccatctg	agcacactgc	cagtctcact	gtgggaaggc
69061	cagctgcccc	agccagatgg	actccagcct	gcctggcagg	ctgtctggcc	aggcctcttg
69121	gcagtcacat	ctcttccctc	gaggccagta	cctttccatt	tattctttga	tcttcaggga
69181	actgcataga	ttgatcaaag	tgtaaacacc	atagggaacc	attctacaca	gctcaggact
69241	gcacagcgtc	ctgtccacac	ccagctcagc	atttccacac	caagcagcaa	cagcaaatca

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# FIGURE 2 (cont.'d)

69301	cgaccactga	tagatgtcta	ttcttgttgg	agacatggga	tgattatattt	ctgttctatt
69361	tgtgcttagt	ccaattcctt	gcacatagta	ggtaccaat	tcaattacta	ttgaatgaat
69421	taagaattgg	ttgccataaa	aataaatcag	ttcattttaa	atgggtcttg	ttccatgtgt
69481	tatattccaa	tcaccccaaa	cagctcactg	ccatctccca	caccaagaga	aaaaaaaaagc
69541	catagtcacc	gtgattttat	caaggcaaaa	gcctcccccac	ccaagtctgg	atagaagggtg
69601	ctttttccct	caagcagtg	ctactctctt	tggaaacacat	cccaaagtgc	accacctctg
69661	ggaaggcatc	cttggttcc	gtctctaccc	tggatttgtc	agaacctctg	ttcttgcccc
69721	ctctgtggtc	tctcccttgg	gacaggagcc	cctggaagga	cagaaaaccc	actttattta
69781	tgtctgtgcc	ccagggtctg	cataaggcac	cagcactcag	ctgttctctc	cttttccctc
69841	tggaggggca	cctagcta	ggatattagg	cattgtcttg	ggagctgggg	gcttattttt
69901	tcctgaggca	gggttcttaa	catgacataa	aaaataaaaa	tgggcagggc	gcggtggctc
69961	acgcctgtaa	tcccagcatt	ttgggaggcc	aagggtgggag	gatcatttga	ggtcagaatt
70021	caagaccagc	ctggccaaca	cggtgaaacc	ccatctctac	tgaaaataca	aaaattagcc
70081	aggcatggta	gcaggtaact	gtaatccag	ctactcagga	ggctgaggca	ggaaaattgc
70141	atgaacctgg	gagacagagg	ttgcagagag	tggatatcgc	accactgcac	tccagcctgg
70201	gcaatagagc	gagactctgt	ctcaaatagt	taataaataa	ataaatttaa	ttaaataaaa
70261	acgcattctc	tttccccag	cccaagtage	agagcccgct	ctgagcctgg	gcattgggtac
70321	ccattctcct	cgtgctcaca	tgcccaactc	ccagccctcc	agccctggc	ttcggaatca
70381	tgtcatcagg	gtctcccatg	tctctggaag	gtgcttccag	tgtggcaggc	catcagctca
70441	gtgtctgggt	aaaggcttct	acagggccag	catggcatag	gggggagggtg	tgcattgcgtt
70501	cctgaagcca	caaggctctc	tgaggagacc	tgactattgg	gggtggggact	agagactgag
70561	gtccagcccc	ttaatgcccc	agactccctg	ccatccctcg	gagaatttcc	caccacactt
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70681	atgccactgt	gagaatgaac	ataccaactt	ttaggcaaca	aggccatgtg	gtcaaggaga
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70801	acagagaagg	attgggttgg	aagggttca	gatggcagag	aacctctgaa	aaagtctcat
70861	gccagcta	gaagagtcct	caaagtcacc	atcacagaaa	tcttacatct	ggcagaaatg
70921	acagcaatag	tttggcatga	acccacag	ggatccaaac	gtgtggcagc	tgagatcgtc
70981	agttaattat	gttctctgca	gctggtcctt	ctggttccct	ggagctgggt	atctgagtag
71041	cacagctcca	ctgctaccac	aggagaggga	gaatcccaaa	ttctgtgcat	agactgtcta
71101	aacctctgga	tgaccctaa	gacacatgta	cataaggcaa	actgcaaca	gccaattta
71161	ggataaaaaca	gcctgtctta	ctctgtttgt	gctgctataa	taaaatacct	cagactgggt
71221	catttatata	gaacagaaat	tgattcctca	cagttctgga	ggctggaagt	ctaagaggag
71281	gcaactggcag	tttcagtgtc	tggtaaggga	gggatcagtg	tctgctccca	agaggatgcc
71341	ctctgtgctg	tgtcctcacc	cagcagaaga	gcaaaaaagg	gcgaacattc	tcaaaagcct
71401	cttttataag	gacatcaatc	cattcatgag	ggcagaaccc	tcaagaatta	atcatttctc
71461	aaaaggcccc	tcctccta	gccatcacct	tgggggttaa	gttccaacac	atgatttttg
71521	gaaggacaca	tacattcaaa	tcattgcaca	accaaagtga	tatttgaact	ttcaaattgt
71581	ttgcagtttg	agatcaacta	agtttaattg	ttgcttgaat	aaaaacatca	cagccgggca
71641	cgatggctca	cgctgtaat	tccagcactt	tgggaagcca	agggtgggcag	atcacttgag
71701	gtcaggagtt	cgaaccagc	ctgaccaaca	tgggtgaaacc	ccatttctac	taaaaataca
71761	aaaattagcc	aggcgccgg	gcgtgggtgg	tcattgctgt	aatccagct	ctttgggagg
71821	ccgaggcggg	tggatcacaa	ggtcaggaga	ttgagaccat	cctggccaac	acagtgaac
71881	cctgtctcta	ctaaaaatgc	aaaaattagc	tgttgagact	actcggaag	ctgaggcagg
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72001	tcgtctcaaa	aaaaaaaaaa	gaaaagaaat	tttctggatt	aggataatgt	tctatatttg
72061	gataagggtt	taggttacct	agatagatac	atttatcaaa	agtcatacaa	tggtacactt
72121	cagatgtacg	catgtcactg	tatgtaaata	ttaccccaaa	atcaacaaga	accatgagca
72181	aatactgact	tctagtgaac	gacatgcata	ctgaaacttt	cgtagtgaag	tataattatg
72241	gctgcagttg	actctgaaat	acataaaaac	ctaagttgat	gggtgaatac	agtgattaat
72301	agatagaaat	ctgtggtaaa	gcatacggag	aaaaatgtta	attgtagatt	ctagggttta
72361	tatatattct	cactatataa	ttaaactgtt	ttatgtttta	aaatttttat	aatgttgaaa
72421	aaccatgaaa	tcctacctaa	cgcagtaaga	caagaaaaag	agataaaaag	tatatgtact
72481	gggaagtaag	aaataaaacc	gtctttgtta	gcagatgaca	tgctcatcta	tgtagaaaat
72541	ccaaaagaat	ggataaagaa	actcctggaa	ctaataagt	gttacagtaa	ggttgtagga

# FIGURE 2 (cont.'d)

72601	tacaagggtta	atatacaaaaa	gtcaatcact	ctctttattca	ccagtaatga	acaagtggaa
72661	attgaaatttc	aaaacaaaaat	actattttaca	ttaatactcc	aaaaatacat	acttaggttt
72721	aaatctaata	aaatacatatc	aagatcttta	tgaggaaaaac	tgcaaccctg	atgacagaaa
72781	tcaaagagaa	actaaagaaa	tagacataag	taaatattcc	ccagaaagac	tcaatattgt
72841	caagatgtca	gttcttcaaaa	acttgaccta	tagattcaat	gcaatcctaa	tcaaaatctc
72901	agcaagttat	gtttgtggata	ctgacaaaact	tattctttttt	tttttttttt	ttttttttga
72961	gacggagttt	cgctctgttg	cccaggctgg	agtgcagtgg	cgcgatctcg	actcactgca
73021	agctccgcct	cccgggttca	cgccattctc	ctgcctcagc	ctcccatgta	gctgggacta
73081	caggcacgcg	ccaccatgcc	cggctaattt	ttgtattttt	agtagagacg	gggtttcacc
73141	gtgttagcca	ggatggtctc	gatctcctga	cctcgtgatc	cacccgtctc	ggcctcccaa
73201	agtgcctggga	ttacaggcgt	gagccaccgc	gcccggccaa	cttattctaa	aatttagata
73261	gggaagcaaa	agaccagaa	cagctaacac	aacaatatag	taggaaaaca	acaaatttgg
73321	aaaatggata	ctacccaact	ccaagactta	ctataaagct	acagtaatca	agatagtgcc
73381	gtattgggtga	aagaatagac	aaatagatca	atggaacaga	atagagagcc	taagaaatag
73441	accttcataa	atacagtcaa	ctcatccttg	acaaagtagc	atagacacta	caatggagca
73501	aagattgtct	tttcaacaag	tggtgcagga	acaactggat	atccacatgc	aaaaacaaac
73561	aaacaagcat	gaatctagat	acagacctta	tgctcttcac	aaaaattaac	tgcaaatgga
73621	ttatagatct	aaatgtaaaa	ttcaaaaacta	taaaattccc	ataacatagg	ataaaatcta
73681	gatgacctag	gtatggctat	gacttttttag	acataacacc	aaagccatgg	tccatgaaag
73741	aaataattgg	taagttggac	ttaatataaaa	ttaaaacctt	ccgctctgca	aaagaccaca
73801	ctaggagagg	gaggaaatat	ttacaaagac	acatctgata	aagaattggt	acttaaatta
73861	tacaaagcct	tcttaaactt	aacagtaagg	aaacaatctg	attgaaaaat	gggcccaga
73921	ctttaacaaa	caaaaagaaga	tatacaaatg	gcaagtaagt	atgtgaaaag	aagctgcaca
73981	gctggggggc	gtggtggctc	acgccttttaa	tcccagcact	ttgggagggt	aaggcgggca
74041	gatcacctga	ggtcaagaga	ccagcctgtc	caacatggaa	aaacctgtct	ctactaaaaa
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74161	gcaggagaat	cgcttgaacc	cggaagggtg	aggttgcatg	gagccaagat	cgcgccattg
74221	cactccagcc	tgggcaacaa	gagtaaaaact	ctgtctcaag	aaaaaaaaaa	aaaagctgca
74281	cattctatgt	tatcagggaa	atgcaaattt	agaataacgc	aataacaaga	taccactaca
74341	tacatattag	aatggccaaa	attgagaaca	ctgacagcac	caaatgtgga	ggaggatgtg
74401	gagcaacagg	aactagagag	aatgcaaaaat	ggtatagcca	cttaggaaga	cgttggtgga
74461	gttctctaca	aaactaaata	tactctttacc	acacaatcca	gcaatcacac	tccttggtat
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74581	tcaaaaacttg	gaagcaacca	aagatgccct	tcggtagggt	agtaaaataa	taatatccag
74641	acaatggaaa	taccattcag	tactaaagag	aaatgagcta	tcaagccatg	aaaaggcgtg
74701	gaagaaactg	aagtgtgtat	cactaaaagt	caatctgaaa	aggggtgcata	agtttccaaa
74761	gatatgatat	tgcagaaaaag	gcaaaaactgt	ggagacagta	aaaagattgc	caggggctag
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74881	gtatgacact	ataatgttg	atacatggcc	agatccacag	aatgtagaac	accaagagtg
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75061	gacaggagta	aatgggaaat	ctctactttt	gttaccgggt	gaggggtgtac	cgcattttga
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75181	tattgaaaac	gaaagtacac	tccacagggt	gggagcaggc	ctaagcaggt	ggctcaaggg
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75301	tgtataccct	acgcaaatga	agaggatgaa	gggaggttac	aaagtatttt	acttggtgta
75361	gaaaatttagg	gtttttccct	tttattttagt	tgtagggaagc	ccttaggtta	cctgctcca
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75481	aaaatgaaat	cttttaaaaca	agaaaaataaa	cttataaaatt	gcaaatatgt	gtcacttaca
75541	taaaaaacaaa	gaattagtgt	ccctacatca	ggaaaaaaaac	acctataatt	caatgtaaaa
75601	atgcaaaaaa	gccaaagagaa	atggccaagc	catggaaatt	cacagaagta	gaaataggca
75661	gtaaataaac	aatgctcaat	ttcatattatc	tgagaaatgg	agagtaaaac	ttcagtgaca
75721	tacaaaggag	taacaatcat	tttaggaaca	attttaaaaa	taacacttgt	gatgtggctc
75781	aggaagatt	catattctca	ctgtaggaag	gtaaagtgaat	catttttagag	gtcagttttg
75841	caacttagaa	gatcaaatgc	atctaccctt	tttctacttc	tagaaaatgta	tcttcagaag

# FIGURE 2 (cont.'d)

75901	tgccccctccc	tccctcacac	accccccaagt	gtacaaaaaat	aaatgacatg	gatgtggact
75961	gcagccttgt	ttctaataacc	aaaaatcagt	aaacaaccta	aaaatctgta	tccatgagga
76021	tttaaagaaa	tcctgcatga	gttagaaaaga	ataaggtaga	tgccctgggtt	ctaacataga
76081	aaatatcaaaa	ctgggttgta	gatgaaaaaaa	gcaagttgca	aagtgaggta	atgtgtaa
76141	gcagtaagca	aaatacatca	tatatatagt	actttctatg	tatttaccta	tatgagcgtg
76201	atgcctccaa	ctgcatagct	gtggctccgg	gagcaggacc	ttgtaacaga	gcctctgccc
76261	ctgactgtcc	tgaggggcct	ttccctggga	aaggaaaccag	gtttgat	cagtctcttt
76321	tgttatcacc	atgctgacag	ctttgcttgt	catatgcctt	tccctccgct	gtactgattt
76381	taccttacag	aagctctcct	tagtgcttca	tcagacactc	cctcttttcc	aaagaaaaga
76441	cagccgcatt	ccatggtcatt	ctgggtgagc	tcgaggtgag	ccccagggat	catgtgcctc
76501	ccaccaggct	gacacccag	tggtgaggag	ttgccccttg	gctttttcga	ggccaagcaa
76561	ctcagagggtg	tggcaggatt	gcatgtcaca	gtggcacttc	caaggccctg	gagagtgcact
76621	caacgcctct	gttattaaga	tgtcacacag	gctgtgcagc	aacaactcta	gggacaccct
76681	tcacactgac	agagttggca	agcttttct	ataaaggggc	acacagtga	tactgtaggc
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76801	ccgtagataa	tattaagtga	atgtgcaactg	ctgtttgcta	atagtttatt	gacaaaaaca
76861	gctgcttttg	agcagtttgc	taccccgaca	gagactgtgg	ggagtccctg	gtggcagcga
76921	gctacaggga	gccagtacc	catcagtgtg	gctggttcca	tcctctcaag	cctgcctgca
76981	cccagacact	gtcagagtgtg	tcttcagaaa	aactcctaaa	attccccaaa	agcacagtgg
77041	ctccccgaga	gccacctccc	tcaccttctt	acaggggcag	gttccctctc	cggttccacc
77101	ctcctcagca	cggagctcag	gggccatccc	cacctcctct	tggccgcaag	cacagacctt
77161	cccacacagg	ctcagcagct	ctgcgggcct	gtccccccacc	tggagctgca	ggcctccact
77221	cctggggaca	gctgtgacca	tggctctgca	aagcagcctt	gtgcctagct	cccaagtcag
77281	ctggcagccc	agagtgaac	aattctgtgg	atcacctctg	agacagcagc	acatctgggc
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77761	caccccgac	acacgtgtct	gagggaggct	gaggaaaaca	gacacctcca	gacacctcca
77821	actatttctc	gatgtgtaag	ccagacaacc	ctggaaagga	ggtcagggaa	ccggagtgcc
77881	tgccaacgtc	cccagcctcc	ctgcagcaaaa	acactctcat	ggcaaaactc	cttttttaag
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78121	gaaactacac	cacacatgcc	agtgtaaatt	tggtttaaca	atcaatttct	ataaacattg
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78241	atgcttttat	ttccctatgt	tttggctctt	ccttgggcta	gagacagaag	ctgcatgttt
78301	caaaccagat	tcaaaaggga	aagcacttca	aaacagaaag	tacttcaatt	gtgtatttgc
78361	cttcagccac	atccagagac	ttgtggatct	cacccggttg	gtcccagccc	ttctccaacc
78421	ctgaagccca	cagcaggggt	gcagaggcag	ccccagatcg	tgcagacatc	acccgaggct
78481	cccaaactgg	cccagctgcc	tgaggcctgc	atgcctgtgg	ccaggtagga	cacatgtgca
78541	ggtttgaaaa	ctaggcctac	aagactgaag	agtggactga	agcaaaaagg	ggagaaacat
78601	tagaggccta	cagtaggaag	agacctttta	tagagttttc	aggaaattct	cacaataaac
78661	ttgggcacaa	agaccaaatt	gctgaggcca	gaagcctgct	tatggtactg	tgaactatgg
78721	ggagttagagg	ccaaatcaga	gagggctggc	tggtgatacc	ccagaccact	tgccctcttc
78781	ccttccctgg	cctacaaata	ccaggcctcc	tggccctgag	acctcattct	gggtttctat
78841	atgggtcaac	caaatgccat	cctttcacta	aaccaggtg	caaatgggg	ggggaagggg
78901	ggaagctggg	gagtacacag	cacccaaaag	aaccgagaga	gcaagttttc	caaggctaca
78961	ggaacattgg	cagagctggt	ggccacacca	gatgggagta	ccacatcccc	accaggcttc
79021	atgcttcaact	gctagatgca	gggggctaga	agggtctgat	gaatcaggag	ctgaactaga
79081	accttcaaga	aaagaaaagg	caagggggtg	gctctgtgcc	ccgccaggag	aggaaagaag
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FIGURE 2 (cont.'d)

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79321	ccctacctaa	gcactttctt	gtctacagga	agtcttggtg	cttttcaagt	tcagcataag
79381	gggttccata	tgtgaagtgg	ggattcacac	ttagaaaatc	tatcctgggtc	ttcacctgaa
79441	acactcatct	actgctgggt	ggcaggaaca	agtatacaaa	accagggggcc	ttgcctgggc
79501	agttcctaag	ggacattggc	agggctgacc	tgggattcag	ctcccctgag	tggacagtct
79561	gtggttgcc	ggggtcccca	ggctgagaag	gggtatgggt	aattgcactt	cggggcacag
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79741	ctccacagac	taagacctgt	gttgccaagg	aatcagacac	tggcttggag	gagacaggag
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79981	cagcatctcc	catctcctcc	gtgcaggctg	ggtgagagaa	tggcctggaa	aggaagcctc
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80581	agttttgttg	tcattactca	cttcctttcc	ttccatttcg	atctcagaaa	ctgttctttt
80641	tcagtgttga	caaaaaagaa	atgtatgggc	caggctctaca	aagtaacacc	ttgtcataaa
80701	acaggctcaa	aagcatagga	atcatgcttt	aattgccatt	tagcatccac	taattcccat
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81481	cagtctatgc	tattaaagga	cataaagaag	gtatacaatt	ggcagtaaac	aatttccttc
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81601	tgtctcagtg	tcttcaggct	ctgtgcaaca	agaagagttt	gtgtcggaat	gacagattcc
81661	atatccatgt	ttattttcaa	agttgggctc	tgttagtgga	gatttttcaa	aaatatctct
81721	tttgcttggt	tctggacagt	tttgaacata	gatcactcta	ttataggcct	tgagtctctt
81781	ccacaattgc	acatacactt	tacactgaac	atacataaaa	agaagtcctc	cgggtgaagcc
81841	gatggccaca	accaccaatt	tagtccaaaa	gggccattct	aggattcctg	gaagggaaaa
81901	actcagccta	ttagattttta	tttaagatat	gtcttcacca	cggggctgaa	gnnnnnnnnn
81961	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
82021	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
82081	tcgggggaga	gggaaaagga	ggggagagg	gagagggaga	gggagaggga	gagggagagg
82141	gagagccata	tgtagttaa	agtagttttt	ttccaattct	gagaagaagg	tcattggtag
82201	cttgatgggg	atggcaatga	ctctataaat	taccttgggc	agtatggcta	ttttcacgat
82261	attgattctt	cctacccatg	agcatggaat	gttcttccat	ttgtttgtat	cctcttttat
82321	ttccttgagc	agtgggttat	atcttctcct	gaagagggtcc	ttcacatccc	ttgtaagttg
82381	gattcctagg	tatttttattc	tctttgaagc	aattgtgaat	gggagttcac	tcatgatttg
82441	gctctctgtt	tgtctgttat	tgggtgtataa	gaatgcttgt	gattttttaca	cattgatttt

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# FIGURE 2 (cont.'d)

82501	gtatactgag	actctgctga	agttgcctat	cagcttaagg	agattttggg	ctgagacgat
82561	ggggttttct	aggtatacaa	tcatgtcatc	tgcagacagg	gacaatttga	cttcctcttt
82621	tcctaatacga	atgcccttta	tttccttctc	ttgcctgatt	gccctggcta	gaacttccaa
82681	cactatgttg	aataggagtg	gtgagagagg	gcatccctgt	cttgtgccag	ttttcaaagg
82741	gaatgcttcc	agtttttgcc	catgatgtat	gatattggct	gtgggtttgt	catagatagc
82801	tcttattatt	ttgagataca	tctcatcaat	acctaattta	ttgagagttt	ttagcatgaa
82861	gcgttgctga	attttgtcaa	aggccttttc	tgcactctatt	gaaataatca	tgtgggtttt
82921	gtcattgggt	ctgtttgtat	actgggttac	atttattgat	ttgtgtacgt	tgaaccagcc
82981	cttgcatccc	agggatgaag	cccacttgat	catgggtggat	aagctttttg	atgtgctgct
83041	ggattcgttt	gccagtattt	attgaggatt	tttgcacgca	tgttcatcaa	ggatattggg
83101	ctaaaatggg	ttttttgttg	ggctctctgcc	cagctttggg	ctcaggatga	tgccctccct
83161	attaaaagag	ggagggagga	ttccctcttt	ttctattgat	tggaatagtt	tcagaaggaa
83221	tggtaccagc	tcctccttgt	acctctggta	gaattcggct	gtgaatcctt	caggctcctg
83281	actgtttttg	gttggttaagg	tattaattgt	tgccctcaatt	tcagagcctg	ttattgggtc
83341	attcagagat	tcatcttctt	cctgggttag	tcttgggagg	gtgtatgtat	ggaggaattt
83401	ttccatttct	tctagatttt	ctagtttatt	tgcatagagg	tgtttataat	attctctgat
83461	ggtagtttat	atttctgtgg	gatcagtggc	gatatccctt	ttatcatttt	ttattgcac
83521	tatttgattc	ttctgtcttt	tcttctttat	tagtcttgct	agcggctctat	caattttgtt
83581	gatcttttca	aaaaaccagc	tcttggattc	attgattttc	tgaagggttt	tttgtgtctc
83641	tatttccctt	agttctgtct	tgatcttagt	tatttcttgc	cttctgctag	cttttgaatg
83701	tgtttgctct	tgcttctcta	tttcttttca	ttgtgatgtt	aggggtgtcaa	ttttagatct
83761	ttcctgcttt	ctcatgoggg	catttagtgc	tataaatttc	cttctacata	ttgctttgaa
83821	tatgtcccag	agattctggg	atgttggtgt	tttgttctca	ttgggtttcaa	agaatatctt
83881	tgtttctgct	ttcatttcat	tatgtaccca	gtagtcattc	aggagcaggt	tgttcagttt
83941	ccatgtagtt	gagtggtttt	gagtgagttt	cttagtcctg	agttctagtt	tgattgcact
84001	gtggtctgag	agatagtttg	ttacaatttc	tgttctttta	catttgctga	ggagagcttt
84061	acttccaact	atgtggtcaa	ttttggaata	gggtgtggtgt	gggtgctaaaa	aaaatgtata
84121	ttctgttgat	ttggggtgga	gagttctgta	gatgtctatt	aggtccgctt	gggtgcagagc
84181	tgagttcaat	tcctgggtat	ccttgttaac	tttctgtctc	gttgatctgt	ctaattgttg
84241	cagtgggggtg	ttaaagtctc	ccattattat	tggtgtgggtg	tctaattctc	ttttagatgc
84301	tctaaggact	tgctttatga	atctgggtgc	ccctgtactg	gggtgcatgta	tgtttagtat
84361	agtttagctct	tcttggttgaa	ttgatccctt	taccattgtg	taatggcctt	ctttgtctct
84421	tttgatcttt	gttggttttaa	agtcgttttt	atcagagact	aggattgcaa	cccttgccct
84481	tgttttccat	ttgcttggtta	gatcttccct	catcccttta	ttttgaaact	atgtgtgtct
84541	ctgcatgtga	gatgggtttc	ctgaatacag	cacactgatg	gggtcttgact	ctttatccag
84601	ttttccagtc	tgtgtctttt	aactggaaca	tttagcccat	ttacttttaa	ggtaaatatt
84661	gttatgtgtg	aatttgatcc	tgtcattatg	atgttagctg	gttattttgc	tagttagtgt
84721	atgcagtttc	ttcctagcat	cgatgggtct	tacaatgtgg	catgtttttg	tggtggctgg
84781	tatgggttgc	ccctttccat	gtttagtgtc	tccttcagga	gctcttttag	ggcaggcctg
84841	gtgggtgaaa	aatctctcag	catttgcttg	tctgtaaagg	attttatgtc	tccttcattt
84901	atgaagctta	gtttgggttg	atatgaaatt	ctgggttgaa	aattcttttc	tttaagaatg
84961	ttgaatattg	gcoctcactc	tcttctggct	tgtagagttt	ctgccaagac	atgagctgtt
85021	agtctgatgg	gcttcccttt	gtgggtaacc	tgacctttct	ctctggctgc	tctcaacatt
85081	ttttccctga	tttcaacttt	gggtgaatctg	acaattatgt	gtcttgaggt	tgctcctctc
85141	gaggagtatc	tttgtggcat	tctctgtagt	tcttgaattt	gaatgttggg	ctgccttgct
85201	agattgggga	agttctcctg	gataatatcc	tgcagagtgt	tttccaactt	ggttccattc
85261	tcccgcgtct	tttcaggtac	accaattaga	tgtagatttg	gtctttttcac	atagtcccat
85321	gtttcttgga	ggctttgttc	attttttttt	tcttttttct	ctaaaacttct	cttcatgctt
85381	catttccattg	atttgatttt	ccatccccaa	taccctttct	tccagttgat	tgaatcagct
85441	actgaggctt	gtgcattcat	catgtagttc	tcatgccatg	gttttctgct	ccatcagctc
85501	atttaaggag	ttctctgcat	tggttattct	agtttagccat	tcatctaatt	ttttttcaag
85561	gttttttaact	gcttttgccat	gggttcggac	ttcctccttt	agctcagagt	agtttgatca
85621	tctgaagcct	tcttctctca	actcgtcaaa	gtcattctcc	atccagggtt	gttctgttgc
85681	tggtgaggag	ccgtgttcc	ttggaggagg	agaggcactc	tgatttttag	agcttccagt
85741	ttttctgctc	tgtttggtcc	tcatctttgt	ggttttatct	acctttgggc	tttgatgatg



# FIGURE 2 (cont.'d)

85801	gtgaogtaca	gatgggggttt	tggtgtggat	gtcctttctg	tttgtagtt	ttccttctag
85861	aattcaggac	cctcagctgc	aggtctgttg	gagtttactg	gaggtccact	ccagaccctg
85921	tttgccctggg	tatcagcagc	agaggctgca	gaacagtggg	tattggtgaa	cagcaaattgt
85981	tgctgcctga	tcattcctct	ggaagttttg	tctgagagga	gtacccagcc	gtgtgaggtg
86041	tcagtctgcc	cctactaggg	gggtgcctccc	agttaggcta	ttcgggggtc	agggaccac
86101	ttgaggaggc	agtctgccc	ttctcagatg	tcaagctgtg	tgctgggaga	accacttctt
86161	tcttcaaagc	tgtcagacag	ggacatttaa	gtctgcagtg	gttattgctg	tcttttgttt
86221	gtctgtgccc	tgcccctgga	gggtggagtgt	acagaggcat	gcaggcctcc	ttgagctgtg
86281	gtgggctcca	gccagttcaa	gcttcccggc	tgctttgttt	acctactcaa	gcctgggcaa
86341	tggggggac	ccctccccc	gcctcgctgc	cgccctacag	tttgggtctca	gactgctgtg
86401	ctagcaaaga	gtgaggctct	gtgggtgtag	aaccctccaa	gctatgtgtg	ggatataatc
86461	tcctgggtgtg	ctgtttatta	agccattggg	aaaagcacia	tattagggca	ggagtgaacc
86521	aattttccag	gtgccatctg	tgaatgcttt	ctttgactag	gaaaggaat	tccctgacct
86581	cttgcccttc	ccagggtagg	tgatccctca	ccctgctttg	ggtcacgcac	ggtgtgctac
86641	acccactgtc	ctgcaaccac	tgtctggcac	tccccagtta	gatgaaccgc	gtacctcagt
86701	tggaaatgtg	gaaatcacct	gtccttttgc	tcgctcatgc	tgggagctgt	agactggaac
86761	tgttcctatt	cagccattct	ggctccacgt	atatccactg	ccacacttct	ttagtcatat
86821	agtgaagtgc	ttgggtcagag	gcaatgcgtg	tggaataacc	atgatggtgg	ataaggcatt
86881	ctgtgagtc	atgaatggta	gtccttggcag	agcatttgtgt	tcagtttagg	caaaccata
86941	tccagagtaa	gtgtctgttt	cagtgaaggac	aaacctctgc	ccttttcagg	atggaagagg
87001	tccagtataa	ccaaccttcc	accaggtaac	agactgatca	ccccagggaa	tgggtgccata
87061	ttgagggtgc	agtgttagtc	tctgctgctg	tcaaattggg	cactcagctg	tagccatagc
87121	caggccagtt	ttgggtgagt	gaagtccatg	ttgctgagcc	catgtataac	ctccatccct
87181	gccaccatgg	ccactttgtt	tatgggccc	ttgggtgata	acaggggtgg	ctggggaaaag
87241	aggctgagt	atgtccacag	aacaggtcat	cttatccact	tgattattaa	aatcctcctc
87301	tgctgagtc	acccattggt	gagcactcac	atgggatcca	aatatcttca	caggttttgg
87361	ccactcagag	agggtccatcc	acatacctct	tcccaaaatt	tctttgtcac	caattttcca
87421	atcatgtctc	ttccaagtcc	ctgaccatcc	agccaaacca	ttggctacag	cccatgaatc
87481	aatatataat	cgcacatctg	gccattttatc	cttccatgaa	aagtgcacaa	ccagggtgcac
87541	tgcttgaagt	tctgcccact	gggaagattt	cccttcacca	ctgcccttca	gtgatgtcct
87601	agaaaggggc	tgtagtgctg	cagctgtcca	cttttgggtg	gtgcctgcac	atcgtgcaga
87661	accactctgt	aaccaggccc	tagtcttctc	ttcctctgtc	aactgatcat	agagaactcc
87721	ccatgagcc	atcggtgcag	gctggggaag	agaaggtggg	gtggcagttg	gtggaccat
87781	gggcatttga	gctacttctc	tgtgttaact	acttgtgcct	ttaggacctg	ctcgagccca
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87901	gtacatggg	tcagaaagca	cccagttcat	gatagacagt	tcagttcaca	tgggtgacttg
87961	atgaccata	atcaaattgt	cagtttccac	caaagctcag	taacaggcca	agagctgtct
88021	ttcaaaagca	cagtagttat	atgcagaaaa	tggcagggcc	ttgtttcaaa	atttttagagg
88081	catctgctgt	gattcacctg	tgggggctg	ccaaaggctc	caaacagcat	ccctatctgc
88141	cactgatgcc	tcaagcacca	ttgatctg	tgagtcatat	ggcccaaaca	gcagagcagg
88201	ttggacagca	gcctggacct	gaggcagagc	cttatcctgt	tctggacccc	actcaaaact
88261	ggcagccttt	tgagtcactc	gataaatggg	cctgagtaac	acacccaaat	gaggaaagtg
88321	ttacctccaa	aatccaagta	ggccactac	atattgtgcc	tttttcttag	ttgtaggagg
88381	ggccaaatgc	agcaacttat	ccttcactct	acaaggagta	tcttgacagg	ccccacacca
88441	gtggaccct	agaaatgtta	ctgaggtaga	aggccctga	atttttagtca	aattttattc
88501	tcactcctctg	gcacacaaac	atctcaciaa	taagtccagt	gtgtttgcta	cttcttgctc
88561	actggatccg	atcagcataa	tgcatcaat	gtaatggacc	agtgtgatat	ttgtcagaag
88621	caaaaagtgg	tcaagatctc	tccaaataag	attatgatgc	aaagccagag	tttatatact
88681	cttgaggtag	gagagtaaag	atatattgct	agtcttgcca	gctgaaggca	aattgtctct
88741	agtgggcctt	atgaatagga	atggagaaaa	aggcatttgc	caagtcaatg	gctgcatacc
88801	aggtagcagg	aaatgtgtta	atttgctcaa	gcaatgaaac	cgtatctggt	acagcagctg
88861	caattggagt	caccacttag	ttaagcttat	gataatccac	tgctattctc	caagatccat
88921	ctgtcttatg	cacatgccaa	atgggagagt	tgaatggggg	tgtgatgaaa	atcaccaccc
88981	ttgcgccttt	caagtccttg	atcatggcac	taatctctgc	aatccctcca	gggatgtgat
89041	attgtttttg	atttaccatt	tttctaggtg	gaggcagctc	taatgccttc	catttggcct



FIGURE 2 (cont.'d)

89101	ttccccacat	aataggcctc	accctaccag	tcagggagcc	aatgtgggtg	ttcttccagc
89161	tgctaagtat	gtctatgcca	attatgcatt	ctggcactgg	ggaaatgaac	acaggatgag
89221	cctggggacc	cattggaccc	actgtaagtc	agacctgagc	taaaactcca	ttaattacct
89281	cacctccata	agctcctgct	ttaactggag	gaccacaatg	acgttttgag	tcccttagaa
89341	ttaacgtcag	ctcagagcta	gtgtcctgta	atcccccaaa	tgactgataa	tttccctttc
89401	cccaatgcac	agttaccttg	ataaaaaggct	ggaggtctcc	ttgggaaaaa	atgggagaaa
89461	gattaacagc	ataaattgtt	ggtagtgtag	tgggtccctt	ccttaatggg	acccaacttc
89521	ccctttattc	aaggggttct	gtgtctgtaa	actggctcaa	gtcaaaaatt	gattgagggg
89581	ccatgattct	ctatttttat	aattcaaagt	agtgttttgt	ccatttgacc	tggaaatttt
89641	ctgcttatat	aaattaagta	ggaaagaagt	aggcatccta	acaatttcac	ttctgggaac
89701	actgtgatta	attagcgaat	gccagaactc	tacatgagtc	agactattct	gattgctgct
89761	ttgccactac	tgtctgttat	ggtagttaat	cccaccttgc	ctttgatggg	tgagtgccac
89821	cacttggcct	ctgccacctt	gggatccaat	tattcccat	gtatttacct	ttattagttg
89881	agtgactgtg	gttctcacca	ttggatctga	tatgcagaga	attacggggc	tcttcaaaga
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90001	ccccttccat	ctgggttagg	taggtctaaa	gtgactaatc	cactccacca	cactgttctc
90061	tctaagcctt	tggatccctt	cctctacatt	aaaccaagag	tgatcagaca	tttccagctc
90121	cctcacagtg	gccatctttc	aatccatatt	tcagctaact	aagcaaataa	attattagaa
90181	ccttttttta	actccctgag	ctgcaatatt	aatgcagag	tctctactta	gtgggcccaa
90241	atcaacaaat	tcagcctgat	ccaactctat	gttccttcca	ccattatccc	acacccttaa
90301	tatccattct	catgcctgtt	ctccagattt	ctgtttatat	aaattagaaa	actcaagtag
90361	ttctttttcaa	gtatagttaa	cctcctcatg	ggtttctact	tcaacctcac	ctcttggggc
90421	ccataaggac	tttagtctgg	ttataggtct	agaagcagac	aggggtggtg	gggggtggct
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90601	cagggagagg	atgtcaccac	tactggggat	ggggaagctg	ttttttttct	ggcaaaaaag
90661	gtttcctgag	actttacaaa	ctcagtgtcc	ccagcttcat	cagggtcctc	ccacatgtcc
90721	ccttttccaag	ttgcagggtc	ccattctttt	ccaaacgatg	ccctcacttt	aatagtacat
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90961	agttcatttt	ctttcatcac	tttgtccatt	gaacttagga	gaaaccaacc	aacttcatta
91021	tgttttccaca	tatgggtcaa	ggtattattt	atagagtcac	taaactcctt	gcctctcatg
91081	agcgtgaat	caggaatgtc	aaatgcattt	attttgctta	actctctaaa	cagttcatag
91141	aaaggaacac	tgaatcagtg	ttctccatac	tatcagaagt	agagtcctta	gcatttttga
91201	gtctaatacat	attaaacagc	cactccagaa	accctaaaac	caatgaaaga	actgcatact
91261	taatgttctg	ttcctctaga	accactcctg	gtacaaaaat	ctgtgttagg	gttctctaga
91321	ggggcagaac	taataggata	gagatatata	agaaggaaag	tttattaagt	attaactcac
91381	atgatcacaa	ggccccacaa	taggatattc	gcaagctgag	gaacaaggag	agccagtcca
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91501	gaaagatgta	ggctgggaag	ctaggccagt	ttagtctttt	catgtttttc	tgccaacttt
91561	tcatattcta	gctgcactgg	cagctgatta	gatgggtgcc	accagggtta	agcgtgggtc
91621	tgcccttccc	agcccaactga	ctcaaagtgt	aatctccttt	ggcaacacct	tcacagacac
91681	acctaggatc	aatactttgc	atccttcaat	ccaatcaagt	tgacactcag	tattaacct
91741	cacagaagca	ttatctacta	ataccaccat	ataaaagatg	cggatgttag	catagttatc
91801	acactgtttc	ctcacacaat	ccactaccca	tggcttggtt	tctatggaca	tattattgga
91861	tctgagccag	cttattataa	tgtttttaaat	aatattcaag	aattgttaca	attgcatttt
91921	gaattgttat	tattttaata	taggtcaatt	tctaaataga	ttcttgtcca	tagtcagatt
91981	ttacatcatg	atttcctcac	tcatgacatt	taaaagttta	tttgttaaat	ttagccaata
92041	tatacaagtc	tgcatttggtg	gatgggtaat	tgaatgccat	ttttaatttt	tgggtaatgg
92101	agactttttt	tatgttgccct	ttatatttga	tccataacta	ggctatgtag	tacatttctg
92161	ggtcaaactc	ctattgcttt	aaaactttgt	ggttttgctt	cattatctcc	tagtatctac
92221	agttactgaa	gtgatacgta	caaccagctt	tggacatgat	gaatgtttta	ggctaagac
92281	ttgggtgttc	tttggctttt	ggaagttttc	tttaatactc	tcttttaaat	tgtctgattc
92341	cacttcttgg	ttcccttttc	aggaacacca	agtattcaca	cagtggatag	tcactgttcc

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FIGURE 2 (cont.'d)

92401	tctacttcta	aaatTTTgtt	atttaacaaa	atgttataaa	agtagaatca	catttatgta
92461	acctTTTTgg	attgatgttt	tttgctcagc	ataatTTcct	ggcaatccat	ccaagttgtt
92521	gcatgcatca	atcatccatt	cctttacatt	gctaagtagt	attccatgct	atgtatttac
92581	aacagtttgt	ttacccattc	acctgttgaa	aaacatcttg	gctgaatcta	gttcttagct
92641	attaatatta	taaacaaaga	tgctataaac	atttgTTTTga	cagTTTTttg	tgtgaagttt
92701	ttatTTTTct	gggataaatg	cctgggagtg	caattgctgg	gtcatatgat	agttgtgtgt
92761	TTTTctttga	gaaactccca	aaatTTccca	gagtggatga	agtattttat	gtttctatca
92821	gtaatgtatc	agtgatccgg	tttctacaca	tccttaccag	catttggtgg	tgtcatgatt
92881	TTtaattTTta	gccattctga	tagatgagta	gtgatagctt	attgttgttt	caatttgcac
92941	ttccctaaaa	cctaataaatt	ttgaacatct	tttcatgtga	ttatttgctg	tccatgaaat
93001	atctgtggaa	acagtgagta	gaaggatgct	ttccacagtc	tgagaaggac	agctgggaga
93061	ggtggatgaa	gagaggttgg	tatatgggta	caaaaataca	attaagacct	ctggtccatg
93121	ctgggacacag	tggtcatgct	ctgcaatccc	agcactttgg	gaggccaaag	cgggtggatc
93181	acctgaggtc	aggagcttaa	gaccagcttg	gccaacatgg	tgaaccctg	tctctactga
93241	acatacaaaa	attagccggg	catggtgggtg	cgtgcctgta	atcccagcta	ctcaggaggg
93301	ttaggtggga	gaatcactta	aaaccgggag	gcgaagtTTg	cagtaagccg	agggtcacacc
93361	actgcactcc	agcctgggca	acagagcact	ccagccgggg	caacagagca	agactctgtc
93421	tcaaaaaaat	aaaataaaaat	aaagtaaaac	aaaataaaaga	gttccaatcc	agcagagagt
93481	gtggtgagat	ggtgcgggac	cagctccctg	ggacttctga	gcctttgccc	tggccagtgg
93541	gggagctgag	ccaggatagg	ctgtagcctc	tgccccgtga	caccaggacc	cttgtggtgg
93601	ctgccaccag	gacccttggg	gtgggtgcct	gggccttgaa	gatgcagcaa	gcctcccttc
93661	cccctacacc	tcagtgactg	aggggtgggtg	tggcctttcc	caggccgcac	cctgccgggt
93721	atagacgaag	tccccactga	gcctggatgc	agtgcctttg	ggtggtggtg	ggagtggcag
93781	gggcagcttg	gtgactatcc	gggtgtcagg	attgggaagg	tgctcttggg	atgcaggaca
93841	cgggtcagc	cacctcttta	ggccatggcg	ctgccagatc	cgggtcctgg	tgaccactct
93901	gtcccagctg	ggtgagactt	acctagtcc	gaggacaaca	gacaatggcc	ttaataggcc
93961	tgggaagtg	gtggaggcac	agaggaggac	agtgtggaac	agttagcagg	cattgggctg
94021	ttggtcttcc	ttctaccaga	cctggaagga	cctcacattt	ggcctatggg	aaatgcccg
94081	cacactttgg	gaagattttac	tatctgcttc	tagaaggctg	tgtgtatatt	atgaaaaagc
94141	tattctcaac	tcacccccaa	ccttttaata	gataacatct	gtggggaggc	tgcaaatag
94201	gtgcaataga	aacagctcag	gtgtgcagct	cacagtgaga	tcaatgcaga	agggtgggtga
94261	tttctgcatt	tccaactgag	gtaccgggct	catctcattt	ggactggtta	gacagtgggt
94321	gcagcccatg	gaggggtgaac	tgaggcaggg	tggggtgttg	cctcacctgg	gaagtgcaag
94381	gggtcagaaa	actcccctgt	tagccaaggg	aagctgtaag	gagctgtgcc	atgaggagt
94441	gtgcattcca	gccagatac	tatgcttttc	ccatggtctt	tgcaaccac	agaccaggag
94501	attccctcca	gtgcttatgc	caccagggtc	ttgggtttca	agcacaaaac	tgggtggcca
94561	tttgggtaga	caccaaggta	gctgcaggag	tcttttttca	tacccaggg	atgcctggaa
94621	tgtcagcgag	acagaacct	tcactcccct	ggaaagggg	ccgaagccag	ggaaccagg
94681	ggtctagctc	agtggatccc	acccccatgg	agcccagcaa	gctaagatcc	actggcttga
94741	aattcttgct	gccagcacag	tagtctgaag	ttgacctggg	atgctggagc	ttggtatggg
94801	gaggggcgtc	tgccattact	gaggcttgag	taggcagtgt	tcctctcaca	gtgtaaaca
94861	aactgcaagg	aagttccaac	tgggtggaac	acaccacagc	gctgccaggc	tgctgtagca
94921	agactgcctc	tctagattcc	tcctgtctgg	gcagggcatc	tctgaaaaaa	aggcagaagc
94981	cccagtcagg	gacttataga	taaaactccc	atctctctgg	gacagagcac	ctgggggaag
95041	gggcagctgt	gggtgcagct	tcagcagatt	ttaacatccc	tgccctgccag	ctctgaagag
95101	agcagtggat	ctcccagcac	agtgtttgag	cagactgcca	cctcaagtgg	gtccctgacc
95161	ccctggcctc	ctgaccggga	gataccttcc	agaagaagcc	aacagacacc	tcacacaaga
95221	gagctccagc	tggcatctgg	cagggtgcccc	tctgggacaa	agctttcaga	ggaaggaaca
95281	ggcagcaatc	tttgctgttc	tgagcctcc	actggtgata	cccaggcaaa	caaggtctga
95341	agtagatgtc	cagcacactc	cagcagacct	gcagcagaga	ggcctgactg	ttagaagaaa
95401	aactaacaaa	cagaaaggaa	tagcatcaac	atcaacaaaa	aggacatcca	ctcagaaacc
95461	ccatccaaaag	gtcaccaaca	tcaaacacaa	aaggtaggta	aatccatgaa	gatggggaga
95521	aaccagcaca	aaaaggctga	aaattccaaa	aaccagaatg	cctcttcttc	tccaaaaaat
95581	cacaacttct	caccatcaag	ggaacaaaaac	tggatggaga	atgaatttga	tgaattggca
95641	gaagtaggct	tcaaaagggtg	ataataacaa	actcctctga	gctaaaggag	aatgtttctaa

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# FIGURE 2 (cont.'d)

95701	cccaacgcaa	ggaagcaaag	aaacttgaaa	aaagattaga	tgaattgcta	actagaataa
95761	cgagtttaga	gaagaacata	aatgacctga	tggagctgaa	aaacacagca	caagaactta
95821	gtgaagcata	cacacatatc	aatagctgaa	tcgatcaagt	ggaagaaagg	atatcagaga
95881	ttgaagatca	acttgcagaa	accctataag	ccagaagaga	ctagggggcca	atattcaaca
95941	ttcttaaaga	aaagaatfff	caatgctgaa	tttcatatcc	agccaaacta	agcttcataa
96001	gtgaaggaga	aataaaattc	tttacagaca	agcaaattgtg	agacattttg	tcgtcaccac
96061	gcctgcatta	caagagctcc	tgaagggagc	aataagcatg	gaaaggaaaa	aatggtgcca
96121	gccactgcaa	aaacatgcca	aatggtaaa	accatcaacg	ctatgaagaa	actgcatcaa
96181	gtaatgggca	aaataaccag	ctagcatcat	aatgatagga	tcaaatttac	acataacata
96241	ttaaccttaa	atgtaaatgg	gctaaatgcc	ccaattaaaa	gacacagact	ggcaacatgg
96301	ataaagagtc	aagacccatc	agtgtgcagt	attcaggaga	cccatctcac	atgcaaaaaac
96361	acacataggc	ccaaaataaa	gggatggagg	aatattttacc	aagcaaattg	aaagcaaaaa
96421	acaacaaac	aaacaaacaa	acaacaaac	aggggttgca	atcatagtct	ctgataaaac
96481	agacttttaa	ccaacaaaga	tcaaaagaga	aaaagaaagc	cattacatag	tggctaagaa
96541	gagcttaacta	tcctaaatat	acatgcaccc	aatacaggag	caccagatt	cataaggcaa
96601	gttcttaaac	acctacaagg	agacttagac	tcccacacaa	taatagtggg	agattttaat
96661	acccactgt	caatatcaga	caggtcaatg	agacagaaaa	ttaacaagga	tatctaggaa
96721	ttgaactcag	ctccagacta	agcagaccta	atagacatct	atagaactct	ccaccccaaa
96781	tcaacagaat	atacattctt	ctcagcacca	catcgacttt	attctaaaat	tgaccacata
96841	attggaagta	aaacactcct	cagcaaattg	agaagaatgg	aaatcataac	aaacagtctc
96901	tcacaccaca	gcgcaattaa	attagaattc	agaattaaaga	aactcactca	aaacctcaca
96961	cttacatgga	aactgaacaa	cctgctcctg	aatgactgct	ggataaataa	tgaaatgaag
97021	aaggataaa	atggtgtttg	aaaacaataa	gaataatgta	ccagaaactc	tgggacatat
97081	ttaaagcagt	gtgtagagga	aaattttatag	cagtaattgc	ctacaaaaga	acacaggaaa
97141	gatctaaaat	cgacacccta	acatcacaa	taaaagaact	agagaagcaa	gagcaaacaa
97201	attcaaaagc	tagcagaaaa	caagagataa	ctaagatcag	ggcagaactg	aaagagatag
97261	agacatgaaa	aacctttaa	aatcaattaa	tcgctctccc	tctccctctc	cctctccctc
97321	tccgtctccc	tctccgtctc	cctctcccca	cggctctccct	ctccctctct	ttccacggtc
97381	tccctctgat	gccgagccga	agctggactg	tactgctgcc	atctcggctc	actgcaacct
97441	ccctgcctga	ttctcctgcc	tcagcctgcc	gagtgectgc	gattgcaggt	gcgcgcgcgc
97501	acgcctgact	ggttttctct	gcccgccgc	cgcgccgctc	cgggagggag	gtgaggggtc
97561	agccccccgc	ccggccagcc	gccccatccg	ggaggtgagg	ggtgcctctg	cccgcccgcc
97621	cctactggga	agtgaggagc	ccctctgccc	agccaccacc	ccgtctggga	ggtgtacca
97681	acagctcatt	gagaaggggc	catgatgaca	atggcggttt	tgtggaatag	aaagggggga
97741	aaggtgggga	aaagattgag	aaatcggatg	gttgccgtgt	ctgtgtagaa	agaagtagac
97801	atgggagact	tttcattttg	ttctgtacta	agaaaaattc	ttctgccgtg	ggatcctgtg
97861	gatctgtgac	cttaccacca	accctgtgct	ctctgaaaca	tgtgctgtgt	ccactcatgg
97921	ttaaattgga	taagggtggt	gcaagatgtg	ctttgttaaa	cagatgcttg	caaggcagcat
97981	gctccttaag	agtcatcacc	actcccta	ctcaagtacc	cagggaacaca	aacactgcgg
98041	aaggcagcag	ggtcctctgc	ttgggaaaaac	cagagacctt	tgttcacttg	tttatctgct
98101	gacctccct	ccattattgt	cctatgaccc	tgccaaatcc	ccctctgcga	gaaacacca
98161	agaatgatca	ataaaaaaat	aaataaataa	aaataaaaaat	aaataaaaaat	aaataaaaaa
98221	aagaaataaa	cacaaataaa	atgttaaaat	tcccatttcta	cataaaatca	tctatagatg
98281	tttttaaaata	tacaacatga	ttatcaagga	cttaatctgt	accacattct	tgtagatgta
98341	aagttaaaat	tcttghtaac	atcactctca	accctaccct	atcttcagc	ataaatgaga
98401	ctttccacatg	ttttctcttg	ccagatgga	gacactaact	gtaggctttg	gaaatgtctt
98461	aaaaaaaaaa	aaaaaaaaaa	gagagccagg	catcttcaaa	cagagaaaa	ctggttgaa
98521	acatttatct	aagtctatca	aaagctatga	ttgttagcaa	gaggtaacct	tgtaatgcca
98581	aggcagaaaa	ctgccacca	accacaaaaa	gcttgttcaa	ctgctgaacc	taaaattaaa
98641	caatttatct	ctcattaaaa	aaaaaaaaatc	aattaatcca	ggagctggtt	tttttttaaa
98701	gatcaacaaa	atagatagac	cactagccag	actaataaag	aggaaaagag	agaagagtca
98761	aatagacata	ataaaaaatg	ataaaggaga	tatcaccact	gatcccacag	aaatacaacc
98821	taccatcaga	gaatattata	aacacctcta	tgcaataaaa	ccagaaaaatc	tagaagaat
98881	ggataaattc	ctggacacat	acacctccc	aagactaaac	caggaagaag	tcaaatccct
98941	gaataagcca	ataacaaact	ctgaaattga	ggtggtaatt	aatagcctac	caacccaaaa

FIGURE 2 (cont.'d)

99001 aagtccagga ccagacggat tcacagctga attctaccag aggtacaaaa ggagctggta  
99061 ccattccttc tgaaactatt ccaaacaata gaaaaagaga gaatctccct aactcatttt  
99121 acgaggccag catcatcctg ataccaaagc ctggcagaga cacaacaaaa aaagaaaatt  
99181 tcaggccgaa atccctaattg aatattgatg caaaaatcct cagtaaaatt ctggcaaacc  
99241 gaatccagca gcacatcaaa aagcttatcc accatgatca agttggcttc atccctggga  
99301 tgcaaggctg gttcaacata tgcaaattaa tgaacgtaat gcatcacata aacagaacca  
99361 atgacaaaaa ccatgtgatt atctcaatag atgcagaaaa gaccttcgac aaaattcaac  
99421 agcccttcac gctaaaaact ctcaataaag tagatattca tggaaatgt ctcaaaacaa  
99481 tcagagctat ttatgagaaa cccacagcag ccaatatcat actgaatggg caaaaactgg  
99541 aagcattccc tttgaaaact ggcataagac aaggatgccc tctctacca ctcctattca  
99601 acatagtatt gggagtctg gccagggcaa tcaggcaaca gaaagaaatg aaggatattc  
99661 aattaggaaa agaggaaatc aaattgtctc tgtttgaga tgacatgact gtatatttag  
99721 aaaaccccat catctcagcc caaaatctcc ttaagctgat aagcaacttc agcaaagtct  
99781 tgggatacaa aatcaatgtg caaaaatcac aagcattcct atacaccaat aacagacaaa  
99841 ccgagagcca aatcacagt gaactcccat tcacagttgc tgcaaagaga ataaaatact  
99901 taggaatcca acttacaagg gatgtgaagg acctcttcaa ggagaactac aaatcactgc  
99961 tcaatgacat cagagaggac acaaacaaat ggaaaaacat tccatgtctc tggataggaa  
100021 gaatcaatat cgtgaaaatg gccataatat ccaaagtaat ttatagattg aatgctatcc  
100081 ccatcaagct accactgact ttcttcacag aattggaaaa aactacttta aatttcatat  
100141 agaaccacaaa aagagcctgc atagccaagc caatcttaag caaaaataac aaagctggag  
100201 gcatcacact acctgacttt aaactatact acatggctgc agtaaccaa acagcatggg  
100261 actagtacca aaacagatat atagaccaat ggaacagaa agaggcctca gaaataaac  
100321 cacacatcta caactatctg atctttgaca aacctgacaa aaacaagcaa tggggaaagg  
100381 attctctact taataaatgg cattgggaaa actggttagc catatgcaga aagctgaaac  
100441 tagatccctt ccttccactg tatacaaaaa ttaactcaag atgggctaaa gacttaaatg  
100501 taagacctaa aaccataaaa accctaaaag aaaacatagg taataccatt caggacatag  
100561 gcatgggcaa agacttcatg actaaaacac aaaaagcaat ggcaacaaaa gccaaaattg  
100621 acaaatggga tctaattaaa ctaaggagct tctgcacagc gaaagtaact accatcagag  
100681 tgaacaggca accaacagaa tgggagaaca tttttgcaat ctatccatct aaaaaaggc  
100741 taatatccag aatctacaaa gaacttaaac aaatttcaa gaaaaacaa acaattccat  
100801 caaaaaaggg gtgaaggata agaaaagact cttctcaaaa gaagacattt atgcagtcaa  
100861 caagcatagg aaaaaaagct catcatcact ggtcattaga gaagtgcata tcaaaaacac  
100921 aatgagatac catttcatgc cagttagaat ggccatcatt aaaaagtcaa gaaacaacag  
100981 atactagaga gcatgtggag aaataggacc acttttacac tgttgggtgg agtggaatt  
101041 agttcaacca ttgtggaaga cagtgtggta ttcctcatct tcaccacggg gtggaggtac  
101101 gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn  
101161 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn  
101221 aacgcatatt cctgaaaggg atggcaagggt ttttttaaaag gttttatggg ttttaggtga  
101281 ctctaaagga ttttaaccct tctaaaatta tttttgtata aaggtgtaag aaagggatcc  
101341 aacttcactc ttttacaatt gggaagccag tttttcccg cccctttttt taaaaaggat  
101401 tccctttccc attggttggt tttttcaagg ttgtcaaaga tcagaagggt gtagatgtgg  
101461 gttggttaatt tttaggggtt tgttttggtc ccattggtcc atagggtcgt tgtggtacca  
101521 gggccatggt gttttggtta ctgtaagcct cgtagtattg tttgaagtca ggtagcatga  
101581 tgccctccagc tctgttcttt tggcttagga ttgtcttggt aatgcgggct cttttttggg  
101641 ttccatatga acttttaaagt agtttttccc aattctgtgc agaaagtcac tggtagtttg  
101701 atggggatgg cattgatcta taaattacct tgggagtatg gccattttca tgatattgat  
101761 tcttcctatc catgagcatg gaatgttctt ccatttggtt gtgtcctctt ttattttggt  
101821 gagcagtggt ttgtagttct ccttgaagag gtccttcaca tcccttgtaa gttggattcc  
101881 taggtatttt attctctttg aagcaattgt gaatgggagt tcaactcatg tttggctgtc  
101941 tgtctgttat tggatatata gaatgcttgt gatttttgca cattgatttt gtatcctgag  
102001 actttgctga agttccttat cagcttaagg agattttggg ctgagacgat ggggttttct  
102061 agatataaaa tcatgtcatc tacaacagg gacaatttga ctctctctt tcctaattga  
102121 atacccttta tttccttctc ctgcctgatt gccctggcca gaacttccaa cactatgttg  
102181 aatagagatg gtgagagag ccatccctgt cttgtgccag ttttcaaagg gaatgcttcc  
102241 agtttttgct ccttcagtat gatattggct gtgggtctgt cataaatagc tcttattatt

FIGURE 2 (cont.'d)

102301	ttgagataca	tcccatcaat	acctaattta	ttgagagttt	tcagcatgaa	tggttgttga
102361	attttgtcaa	aggccttttc	tgcattctatt	gagataatca	tgtgtttttt	gtcattgggt
102421	ctgtttatat	gctagattac	atttattgat	ttgcgtatgt	tgaaccagcc	ttccatccca
102481	gggatgaagc	ccacttgatc	atgggtggata	agctttctga	tgtactgctg	gattcgggtt
102541	gccagtat	tattgaggat	tttcgcattg	atgttcatca	gggatattgg	tctaaaattc
102601	tctttgtttg	ttgtgtgtct	gccaggcttt	ggtatcggga	tgatgctggc	ctcatataat
102661	gagttagggg	ggattccctc	tttttctatt	gatttgaata	gtttcgccaa	actgacatga
102721	tttttaaaat	tccctatagg	gtcaatgtgc	agatttaaag	atccctacac	tcagtagtcc
102781	tgggataggg	tcgggggatc	catatgttta	acaagcagcc	tagagtctcc	cgatagcctg
102841	ggcaagcttt	aaaaagccct	gcggacattc	ggatgaaaca	aaggtgcaca	gaacctatat
102901	ctctgccatt	tattagctgg	gggccttagg	caaggaaagt	agtcaacctc	cgtattcctc
102961	agttcctcaa	ctgtaaaatg	gggatgatga	ctgtggctcc	ctcgtggggt	tgtgacggag
103021	gaacagggga	catatgtcct	gggatcagca	ctggcaattt	ggccattcct	accatagcac
103081	ctgccatcct	ggtgacagcc	tggacacaaa	gccttcacac	ccttgaagtg	gccatagaga
103141	gcatgagata	tggatgggga	ggaggcattc	caactaaaga	cccctgcttt	gggccaaaaa
103201	cacatgtatg	tctgggtgct	ggagtcctct	ggttatgcct	tttttaagat	acgggtgtgc
103261	ctgcaattgt	gcgttgagaa	tccactctat	ggccaacata	tcattcaaagc	gtttggctca
103321	gctaggctgt	tcccccaacc	caaggacccc	atgaggaaag	gagtgagggt	tccacccccca
103381	gcaccagcca	ctggaggggc	tgcccagagt	ccctcagttc	tcgtaaactt	acgctttgga
103441	gtaattcaga	acaaagtcca	ctcctttttc	actatcaaac	tggatatcac	ggggtaaatc
103501	cttgtggcat	ttggcatcga	tgctcaaggg	gaagccaggg	ttccactcca	tccatctgag
103561	catgagaaag	gagaagaaat	tgagttaaat	gccagccttt	ggtctgcccc	ctcagctgag
103621	ggccgcccac	actgtcagac	gatgttacac	agggagattg	atgtactcaa	aataaagtca
103681	acacatcata	ggctgaccct	gtgtccagta	aggttctggg	acctcttcca	aagtcagtc
103741	gcaccaactt	tgctgtgccc	tgagcatcag	agtgggaacc	ctgagactgg	gcttatagtg
103801	gtacagggtg	gcaccactgc	ataaaaagtt	ctgtaggtag	tctagggaga	cctcacttac
103861	tagagggtgac	attgaacagt	agaggcctgc	cttgccagtc	actggaggta	gaaggattaa
103921	aggctgcccc	gccacgcccc	acctggacat	ccaccattct	gccaacttga	tcagtgtgtg
103981	ccctggactg	cgtgcatgtc	ctgcatgtgg	catttggggg	aatgggacag	ttcttctgcc
104041	ttcacaatag	gacgacacgg	cagcaggtgg	cctgggagag	ggacccaggc	acagatggct
104101	aaaaggcttc	cctctctcac	ctgtcgcca	atagcagctt	tagagattat	tacaatcaaa
104161	acagcttccc	caaagacaag	ccacggactg	catccagtaa	acatgctcag	atcctgacat
104221	ccttgaaacg	tatcccgtgg	cattgggcat	ttgtgttttt	gaaaaatgtt	tatttttgctt
104281	ttttgtttac	ttattgagta	aacttaaatt	gtgaaaatgt	cagagggtgt	tgaaccacag
104341	caactccatc	ttgaataggg	gctgggtaaa	ataaggctga	gacctactgg	gcagcattcc
104401	caggagggtta	ggcattctaa	gtcacaggat	gagacaggac	attgatgcaa	gatacagggc
104461	agaaagacct	tgctgataaa	atgggttgtg	gtaaagaagc	cggccaaaaa	ccaacaaaaa
104521	taagatgggtg	atgaaagtga	cctctgttca	tcctcaccac	tcatttatatg	ctaattataa
104581	tgcattagca	tgctaaaaga	aactcccacc	agtgccatga	cagtttataa	atgccatagt
104641	aatgtcagga	agttacccta	tatggtctaa	aaaaggagg	aaccttcagt	tcctggaatt
104701	gcccacccct	ctcctggaaa	actcatgaat	aatccactca	ttgttttagca	catgatcacg
104761	aagtgactgt	aagtatgctc	agtcgagtag	cccatgctac	tgccctggct	atggagtagc
104821	ctttctttat	tgctttactt	tcctaataaa	cttgctttca	ccttatggat	tcaccctgaa
104881	ttctttcctg	tggaggtcca	agaactctct	cttggggtct	ggatcaggac	ccctttctgg
104941	taacaaaaac	aaaatgaaat	cctgttagtt	tctttgggga	gggagaatga	ttttgtgttt
105001	gtttaaaaac	cagatttttac	attttaggg	tttagctttt	tcatttatat	tcctaattct
105061	ccttcctttt	aaaattttct	tttgagagg	aagtaaaata	tcgagatttt	gggtcttaaa
105121	aaagtccctga	gttattttta	tatgatcttg	tgctttgact	ttccccaaat	cccaactgtc
105181	acagtgtcct	cttggcccag	tagcctctcc	ttaggatcac	aagaagtga	cagggaccgg
105241	gtatgatcct	tctgacagca	aaggcatttt	gtcaagtgtt	ttctgttatg	tggcacctta
105301	cattttctcac	tgtttggttt	tttagaatat	tctacgtcct	cagattttta	gaaaaccttc
105361	catttttgct	gtttgtatta	atgccaatga	tagtatatta	acaaggataa	aaatgtggac
105421	aagtctacac	attttttggt	tgttgtttt	ggaaaatgac	tcaaggcatc	tccaatatat
105481	atctaaaatt	gagccattca	gtagcctcac	tggtagtaat	gatcaattaa	tttagtatca
105541	ttagtcatat	caatttaaat	attactgatg	attttctctt	tgccctggaca	gttcaagggc

FIGURE 2 (cont.'d)

105601	tctagttaat	tttaaaagct	cagtggagct	agatgttttt	cagtatgtaa	acaatgagcc
105661	atgcaagggc	atctgtgcca	gcaaatggca	ttaatgtttt	cttaagtga	tagtccactt
105721	ggacggatgt	ggaatacttc	ttcagcacca	aaaagacctt	cttgcccat	gccctgccct
105781	ggtctatgga	gggtggcagc	accaatgggc	agaaatgccc	cacttggtgtg	gttagaagat
105841	gatggcctca	cagcacatgg	agacaggaca	gcttgcttgc	tagttcacta	ctgccccct
105901	gaaaccaa	gtttatgtcc	cttccactgc	aggtcactgc	tgcttaagag	accctgacag
105961	gctgacctgc	acaggagccg	aaggcctgca	tggccacaga	cattaactgg	tggagatgga
106021	atcccactcc	attgaggaag	accaagtgga	acaccaggc	agaaggaaca	aagaagtaga
106081	aaggcattta	atttattgga	aaaaaaatga	gagagagaga	gaaagagaga	gagagaaagc
106141	aagagagaaa	gagacagatt	gagagagaga	gagagaaaaga	gagagagaga	aagcaagaga
106201	gacagagaga	cagagagaga	gagagagaga	gagagacaga	cagacagaga	gatcctaagg
106261	ggatgcagtt	agtataattg	gagtgtaaaa	agactttctg	taaccacaaa	catgatttct
106321	gaatgaagac	ttcaatagag	aaacagacaa	agagaataat	cactgtgaga	tgtttggtct
106381	cttgatttaa	aagaaaagct	ttagacaaat	taaatttagc	agtttaattg	agcaaagaac
106441	aattcaagaa	tagggcagcc	cctaaaccag	agcaggctcc	gagtgcattt	gatgctgtct
106501	catagttgga	taggatttat	gggcagaaaa	aggaacgtga	tgtacagaaa	atggaagtga
106561	ggtcagaaa	cagccagatt	ggtgatggct	cagcatttgc	cttacttgag	cccagtttga
106621	acagctggcc	actgtgagtg	gctgaagtct	ggccgctgtg	attggctgag	acttggttac
106681	ttgctatgag	agtaggtgac	agtctgttta	cacatccagt	taggttacag	ttcactatgt
106741	acagagaaac	ttttaggctg	aatttaaaat	atgtaaggag	aaaagtttaa	gctaaactca
106801	ttaacaccta	gaagagagaa	ggtgttcatt	cgacaactaa	ttatggagca	cctactatgt
106861	gccaggaagt	gctttgtgca	aaatagaaga	acatgtaacc	caaatacagg	gtgaaactac
106921	aaagaaatgg	aagccataaa	tgaactatg	agagacataa	accaaaaata	aaattctaag
106981	cccctgaact	gactgatgga	ccctcccctt	ggccaaaggc	attccaaagt	taacctgaaa
107041	aattagttca	ggccatgata	ggaatgggtg	gctaaacgtg	cctcattgta	ctctcctcct
107101	cttggaattc	aggcacaact	gatcagcatt	cacatcaaca	cagagatgtt	aagcccatta
107161	gaacagactc	tttaagattg	ataagaaaca	tttacaattg	attctacctg	aagcctgcta
107221	cctggaggct	tcatctgcat	gataaaaaac	tttgtttcca	caacccttta	tcttaaccta
107281	gacattccaa	gttttttagat	aataattcct	ttaagcagtt	gccaatcaga	aactctttga
107341	atctgcctat	gacctggaag	ctccccctcc	ccaagtgtgc	ccacctttcc	aaaaccaaac
107401	cactgtccat	cttacatgat	ttgatgtatg	tcttatgtct	ccctaaaagt	taacaaagca
107461	agctgtaccc	caaccacctt	gggtgcatgt	tctcaggatc	tcctggggct	gcatcatggg
107521	ccactggtca	ctcatatttg	gctcagaata	agtcttttca	aatatttcac	agagtgtgac
107581	tcttttcatt	aacagacatg	aaagccagat	acagatgtaa	tatgcaagga	gtaaaagctc
107641	caaaaggaga	gagagtaata	tatggagaag	tgaaaaaat	caaagaaata	aaagaagaac
107701	tcctttaagc	tgaaaaatac	ttcaatatct	taagtctgtg	aaaggaaatt	aaatttttagg
107761	accccaaact	catttagcca	aagggaatg	tcaagctggg	aactgtgtca	tgcaaacctg
107821	cctccccctt	ttggttccta	aataagatgg	ctatgatgaa	aagctacatg	tctccaccat
107881	attttgctca	caaggaaatt	cctagtgaac	cgttaaaatt	tcaccatggc	aatgcaaatt
107941	gatagcttat	ctttacaagt	gcagtcaccc	accagataca	aatgcataatc	tgattgttcc
108001	cctgccttac	tttatctatg	ttctcttatg	taaaaatgcag	actccctgca	tttttctct
108061	gcctcatttg	tttatgtcat	cttatgttaa	aaaaaatgca	gattcactga	gccagagaaa
108121	ggcatgaata	actatttttc	cctgcccctgc	tcttacatga	aaattgtgta	cttctcaata
108181	tccgcgccct	ttccctttta	atttgagacc	ctcaaaatca	ccttcagaga	aaggcatagt
108241	gctgtctccc	gggcatgcgt	ccttaacttt	cgcaataaaa	tttcctaaaa	tgattgagac
108301	ttgtctcgte	atttttctca	atgacaagtc	ctaggtgggg	gggaaaaaaa	aaaaggaaaa
108361	agatacacct	aggtatatac	tgaatacatt	ttaaaatgtc	caagagacag	gagaaacaga
108421	gacagagaga	aggaaagaga	tgacagagag	gaacgagaga	ggaagaaagt	gggggagggg
108481	gggagataga	aactctagga	aaagaaacaa	actatcatta	gattttctct	ctgtcattct
108541	gaaaatggga	agactgaagt	gtatacacac	tttttttaga	tcgtcatcta	agcctctcat
108601	attgtcatca	atgagggcag	gggaatttgt	ttgaggggat	gggtaggggg	acaggacgac
108661	aagcacagac	tcagatctta	cactacacat	ggaccttctg	aggaaattaa	ttgaacaagt
108721	tcagctgaac	aaaaatttaa	ttagaatgaa	tcaataaact	cctaaataca	gcaaaagata
108781	tgcattataa	aactacagca	aataataatg	taacaaaaga	aacaaaaata	tgagagggat
108841	gttcatcact	actaccacta	cttgtttttg	gaattccaga	catggaataa	gaaaagaata

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# FIGURE 2 (cont.'d)

108901	tcagtgggtgt	agataatgga	aagtaagaga	caaaattatt	aacattttaga	taatatgagc
108961	acattaacta	accagactca	ctaacaacaa	acaaacaaaa	acaagtgatt	agaaccaatg
109021	aaagaattca	gtaagggacc	aacacacagt	aaatgtaaga	aacaagtaat	ttacattttat
109081	cccagcaata	tttttgcaaa	cagaaaaata	tcctactcag	aacagcaaat	gctaaatgta
109141	gagtagctag	aaaggtgaag	gacctgcatg	aagaaaaacta	gaaattctat	ggaagtacgt
109201	tgacacagga	tctagagagg	tggaagagca	cgctgtgttc	ctggatggaa	agactgaatc
109261	tcagtaaaat	gccaacacat	aacacagtta	tgtgaagtcc	aaagtaattc	tcattatgaa
109321	aaacttaaga	aagaacagtg	agatatgtaa	cagacattaa	cattttattag	aaagttatga
109381	taacccaaaag	ctgggtgctgg	gggtctcgagt	agaaaaatag	gctaacacat	aaagtgcgga
109441	aacagaccca	gagactatgt	atacataata	caaaactcgc	caacacttat	ccagtgcctt
109501	ctatgtgcct	actactattc	tctgtgtttt	catggtttta	cctattatct	caaaccctta
109561	aaaggaaggc	actgttattt	ccctcatttt	acagatgagg	gaagtgaggc	acagacagat
109621	taaacaactt	tcacaggact	ggagaaaagt	ccagtaagt	tgagttgagc	ccagacactc
109681	gaatccagag	ctcatgactg	ccatcctatg	ccagcttgta	ccgtgggtat	catcatccct
109741	gtcatccaag	tcaggaggaa	agacatcatc	cctgtcatcc	aagtcaggaa	cgaatgctac
109801	cgggagagtt	ccaccaggt	atgtatgaaa	acacgtggca	ggagtggggc	atggtggcgc
109861	acgcctgtag	ccccagctac	ttgggaggct	gacgtgggaa	gatggattga	gcctgggtta
109921	gtttgaggca	gcagtgaacc	atgatcatgc	cactgcactc	cagcctagga	aacagagcaa
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110041	aattataaaa	gtattagaca	aaattacggg	ggaagtattt	gtgtaacact	gggatggaaa
110101	gggttttctt	aagcaaagga	ggaaacccaa	aagttataga	tgtaaacaa	acatagttaa
110161	taaaataaag	aactaaaatc	tcctgtggca	aaagcaacag	aagacaaata	ataaatgcta
110221	tacatatgta	acaaacggat	actatcctga	tatagaaaga	gctcctttag	attaataatt
110281	gaaagaacaa	tagggaaaaa	aagcttataa	ataggcaatg	cagtgatgct	tattagtgg
110341	caggggagtg	cagactaaaa	caaccacaag	gtcttaggga	tttttagact	gtcaaacaa
110401	gtcatcgggt	actgacaaat	gtatggatgg	gcaaaagtat	cttttcatac	acagctggta
110461	ggaccgcaa	ttacgatata	attttgtgaa	aggatttttg	tcggtatttc	ttaagatgaa
110521	aaaatgctga	tttgttccag	caatctgagt	tctggaaatg	gatctgccat	taattaaagc
110581	accagtacat	caagatgttt	gtacaagggt	ggttctggca	gcattgtttg	tactgcaata
110641	cccaaaaacaa	acaaacacat	ctacaaatgg	gaaatgaact	gaacgtcagt	gaatagggga
110701	atggctaagt	aaattatggt	gcattcccag	aaggcaagaa	atagtagcag	tttaagaagg
110761	ggaaaatata	tgagatacta	tttcacacgc	aagaatgaaa	acatctgaag	atgcgaagt
110821	ttgatgatgc	agggaaacag	tgaatctcag	aaacagttac	tggggtgtct	actggcagaa
110881	tgcttttgga	aaacaatcag	caatatctag	aaagcttaaa	aacacgtgg	ctgcaaccct
110941	gcaactctac	ttcttggaat	attccctaca	gtaactcttc	catgagagca	cagagagatg
111001	tgtgagaaa	ctcactgtcg	cttggtttgc	aacagctaga	aattaaagac	agcccgcctg
111061	cccatcagca	ggagagcgga	cgagcgcagt	ggttattcag	atactgatat	gccatgaaga
111121	agttaactgc	atgaaccaca	tctatctgtg	tcaaccagat	cctcttcaat	actagtgtat
111181	gagtgaaaag	tgccaggtcac	ataatgatta	gattaaatta	tatcgattaa	caaacaccta
111241	cactttgcc	tttactgctg	tgtgtgagt	tgcatgtaac	acagacagat	gtggtcacag
111301	tgggagagca	caagctgtgg	gctatgacct	gggtctgctt	ctccttctcc	ctgcgtggct
111361	gagtgaagta	ggagggcctg	caagaagcgc	cagctttctg	acatagtgtg	gactattctt
111421	agtcattgct	ttacttccaa	actctgatct	ggaagcctga	gaaatcttct	gagaaagagg
111481	aactccaaga	ttgtgcagac	agtgcaaa	tcagtgtttc	ctgaacggaa	gcaaaggagg
111541	gtttctgaaa	aggacagatg	agtggaagga	ggaagaaaaa	aatgattaaa	tctaagaaag
111601	ggggaaacga	tctcaccaga	agccccctgc	tgcaagatta	tgataatgtt	aagttagctcc
111661	cagataaatt	ggctagtgtg	tggtattctta	gatgagtaga	tagcaaatgc	taattagagc
111721	ccactaatt	cataactaag	tgttagtggc	ttataacaaa	ttaaatgaat	tttatgggca
111781	ttttatctta	accagatctc	acaggccaga	agtgctctga	gaactggctg	caggggcttt
111841	gccataggtg	tctgaaacag	ggagggaagc	caagggaagaa	gcatagaaac	aacagccctt
111901	tgggatggga	ggcagagctc	aagcacaacg	tgtgcaactgc	accaggtatg	gaagtctgga
111961	aacacatcat	atgggtgctg	agctgagagg	cttgtgcaca	aatactctaa	aacaaatcac
112021	acattttataa	acccttaaca	tgaccacacag	cacagcaggt	tactctccca	cacttgatgc
112081	taatggcatg	taagttttat	ttttgatttt	tcaattggga	aatagaatat	ataaaatatg
112141	tatggatatg	tatatatgca	cacacacact	cacacatgca	gaaaaatgta	caaaacacct

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# FIGURE 2 (cont.'d)

112201	gtacgaacac	catccaggtg	aaaaatcaga	acattgtccg	taccctcacc	cccacctttc
112261	ccaatcaacc	ctccttccat	ccccggtaat	gaccatcctc	ggctttatga	taatcatttt
112321	cttggtattg	tttaagggtc	cgctatgaca	cacctcccta	aacaatttca	ttccaaagtt
112381	atgaattggc	cagacacgct	cctggccttc	ttccttcaac	actgcgtcag	tgaggtttgt
112441	ccatggttagc	agcagtttgt	tgattttcct	tgcagtgtag	aattttcctt	gacaatttgt
112501	ctgttctact	gtttgttgga	cattgagttg	ttgccatttt	ttggccatca	tgagtaatgc
112561	tggtgtgagt	atccaggcgc	acatgcacac	aaatttggat	cccactatag	gatttctggg
112621	tcatagatta	taatgtagct	tcagttttat	gacatattgc	taaattgttt	tccacggagg
112681	tcttaccaac	ttgtcctcct	gccggtggta	tatgagtgtt	cccagccctc	tggatcttct
112741	ttaatactca	ggtgttgcca	gttggtgaag	tggtgcccc	ctgggggcat	atgtgtggta
112801	gtagcagcag	ttcactgtga	tcttctgatt	tccccgagtc	ctaatagaag	tgaacacctt
112861	ttgtatactt	gctgcttata	ttttgtacag	taagtactca	aacttcttgc	ccattttcta
112921	gtgaatgaca	ctccccttct	taaagatttg	taggtccttc	acatactagg	aataattctc
112981	gtcaatcact	ccatgacttg	ccttcactct	ctcctgggtg	ctttcaatga	acagagtgtc
113041	cttatcttga	gggaggcaaa	cttaccaatc	ttttcctttg	tgtttaatat	gttctgagtc
113101	ttgtttgaaa	aatcctttta	gcttgagacc	tggagaataa	atcacctgta	gtctaaatgt
113161	cttacagttt	tgcccttaac	ttttaagtct	aatcaacccc	aagctgagtc	tccctgaatg
113221	caagaggtgg	agtctgattt	cttctccttc	tccttcagcc	ctccgtgctg	gctggcccc
113281	gtcctcgaga	tgcatgtcca	gtggcccagt	gccaccatc	agccgagccc	tccgtagcag
113341	acccagtagc	cacatacgtg	tggctgtttg	ttgtttcttt	attctgtttc	aaggaaatgt
113401	tttgatgaaa	agggggatga	agctaagaca	gttttgaggt	ggggcaattg	tggtcttggt
113461	gtgggatttc	tcaccccttg	acagcagttg	gtggctgggc	ataggggaag	aaggagctac
113521	aggggtgagg	gatgctgttg	caacttagaa	aaattaagaa	aaatgaagat	attgctcagt
113581	tatggcaagt	gtttgatgaa	acagggaccc	atacatggct	cgtgaaaact	ggttaaagat
113641	tttttttttt	tttttttttg	agacggagtc	tcgctctgtc	gccaggtctg	gagtcagtg
113701	gtgcaatctc	ggctcactgc	aagctccgcc	tcccaggttc	acgccattct	cttgccctcag
113761	cctcccagac	agctgggact	acaggcgccc	gccaccacgc	ccggctaatt	ttttgtattt
113821	tttagtagag	acgggggttc	accgtgttag	ccaggatggt	ctcgatctcc	tgacctggtg
113881	atccaccac	ctcagcctcc	caaatggtta	aagatttttg	aggagaaatt	tgtcaatgta
113941	tactaataac	ttttactatt	tggtaatatt	atatctgggc	atctgtccta	ggaaaatact
114001	taataatgta	tacaaatttc	acatacaagg	gttttcactt	tgcttataag	aatacaaaaa
114061	ttagaaacct	cctaaatgtc	cagggaagct	gggtgtttta	gtgaatgatg	aggcatccat
114121	ccaatggaat	agtacataga	aactagaata	atgtttatga	tgagattttg	aaaatatggg
114181	aaaatgattt	ttgctacact	gctaaagggc	agcaaggagg	atgcaaagtg	tatatatatg
114241	cacaatccca	aatttttaaa	agtgaataag	acaaagtga	aacaattaaa	catgaatttt
114301	tatgaaaaag	ttcataaaat	tcataattca	tacagaaaat	aggtattttt	ctggctctat
114361	attattttcc	ttcttttact	tttttgagtt	aaaaaaacaa	cccagatata	ctacatatcc
114421	cttgtaagaa	gttcaactat	tgagggatat	gtagaaaagt	atcacaaat	tggctcccaa
114481	aggcccctcc	acagcccagg	taacttcaact	gtccatgtag	aatgattcct	tccactttct
114541	tcccttgga	ggaggcacag	actcaaatgt	ttccaggggc	caaagcagga	aatgaaatga
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114661	tgtttactca	taagtcaata	atgatccatc	aaacacttgt	agaggctgga	tacagcccat
114721	cagccacca	tttccagagg	agcactctgt	aatgtgttat	tatcttccaa	aaagctttac
114781	tgagatacat	ttacatacca	ttaaattcac	cccttaaaaa	tatgctatca	aaagatttta
114841	atatatttgc	agagttgtat	gtgtaaccat	cattataacc	caattctgaa	ataatctcat
114901	ccccagagga	cacctcgaac	ccattaacat	tcactccttg	tttcccctcc	ccaactccta
114961	gtgctaggca	actactcacc	tactaacctg	actctgtggg	tttgcttatt	ctggacattt
115021	catacagata	gaatcacaca	atatggggtc	ttccgtaagt	gagttttcca	tttagcatat
115081	ttttgaagtt	cattcagttg	ttggcatcta	tctgtagtgc	atttcttttc	ttttcttttc
115141	tttttttgaa	atggagtctt	gctctgtcac	ccaggctgga	gtgcagtggc	gggacttagg
115201	ctcactgcaa	cctccgcctc	ccgggttcaa	gtgattctcc	tgcccttagc	tcccaagcag
115261	ctgggattac	aggcgtgcac	caacatgccc	ggctaatttt	tgatattttg	tagacatggg
115321	gtttcaccat	gttggccagg	ttggtctcaa	actcctgacc	tcaagtgatc	tgcccgcttc
115381	aacctcccaa	agtgttagga	ttacaggtgt	gagcctccgc	gcttggcatt	cattcctttt
115441	tgatgccaaa	aaatatccca	ttgtatggat	aaactatatt	ttgtttattc	attcctcagt

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# FIGURE 2 (cont.'d)

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115501 taatggaatt taggttgttt ctactttttg actattgtga acaatgggtgc tataaatatg
115561 tgtgtacaag ttttgtatag acatgtgggt tcaatattct tgggtagagg cctaggagta
115621 gaattgctgg gtcataattgt agctgggttt cagattttga ggaaccacta aactgttttc
115681 tgaagtggct gcatcatctt acattccggt agcagcatca gggttccagt ttctccacat
115741 ccttggcagc acttggttact atctgtcttt tttattctaa ccattttagt ggtagaatt
115801 gtatcttgtg gttttgattt gaaatttcct gatgattaat aatgttgagc atattttcac
115861 gtgcttattg gagattcaca aattttctct ggagaactat ttaattaaat cctttgctaa
115921 tttttaaacg gggttttttg tacagaatat tttaaaattg agttgtcaga gttctttata
115981 tattctggat acaagtccct tatcagacat atgatttaga tattttctcc attctgtgga
116041 ttgtcttttc actttattga tgatgtcctt tgaagcatag atcttttaca ttttaatgac
116101 atctaacttg tctactttct tttgctgcct gtgctcttgg tgccatatct aagagacttt
116161 gccgaacca agattatgaa gacttacttg tatgttttct tccaagagtg ttatgttgtt
116221 agcccttact tttagatcta tcatccattt tgaattaatt tttaaattta tctagcagcg
116281 ttattgaaat ataatgcaca tactgtaaaa tttatccatt taaagtgttc aattcaagga
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116401 gcaaaaggaa cactgtatcc tttagctgtc actcccatga ccacttctc attccctgcc
116461 cctaggcaac cagtaaatcta ctttatactt gtacagattt ttcttttcca gaaatttcat
116521 ataaaaggaa tcatacaata tatgatcttt tgtgactggg ttcttttact tagcataatg
116581 tttttgagat tcatccatgt tgtaacaagt gtcagtattt cattcttctt tcatggtcaa
116641 attatataga tatactatat tttatccatt catccattaa tggacgtttg ggttgtgtac
116701 actttttgat agttacaggt catgctgcta taatcatgca tgtacaagtt ttttgtgtgg
116761 catatgtttc catttctgtt gggaatatgc ttaagagtgg aaatgctgtc atattgtaac
116821 tctctgttga acagtcagga gctagcagac tgtttcccaa gcagctgtgc cattttacat
116881 tcccaccagc agtgtatgag ggttctgatt tctccacatc cttgttcttg cttgttcttg
116941 tctgattttt ttattctagc catcttagta tcaagtggta tctcattgtg gtgttgattt
117001 gcatttctta gatgactaat gggtccttgg agaaatatct attcagatcc tcatctattt
117061 ttttcatttt ttaattggac tatttgcctt tattgagttg taagagttct ttataaatta
117121 tggatggaag gcccttatca gatatacaat ttgtaaatat ttcttccatt ctgtggttca
117181 tcttttctact ttcttgatgg tgtcctttga aacataaagg tttgtaaatt tgatgacatc
117241 acttttatcac tttatctatt tttcttttgt tgctgatgct tttgggtgtca tatcaagagt
117301 cctttgtcaa atccaaagtc atgaaggttt actcctgtgt tttcttaaaa gagttttata
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117661 ttgagaagtg caagtcctcc atctttgttt tctttttatc aagattgttt tggctattct
117721 gggtccttcc catttccata tgaatttgca gaattgacag cttgtcaatt tctgcaaaga
117781 aatcagctag aattttgata agggttgtgt tgaacgtgta cathtaattt tggggatttg
117841 ccatttttaac aaaattaagt cctctgatcc atgaacatga aatgtctttc aacctattta
117901 gatcttcttt aataatgtta aacaatgttt tgtagtttca ttgtacaagt ctcagactac
117961 tttgtttaat ttattcataa atgtttactg tttttgatgc tattgtaaat tgaacttttt
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118201 gtgggtgcct ttacttatct ttttattccc taactgagct ggctagaccc tccagtacaa
118261 tgttgaatag aagtagcaaa agtgaacatc tttatcctgt ttctggattc agcctttcat
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118501 accacacaca gctacttttt gtatttttag atagacgggg tttcaccatg ttggccagga
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118621 cagggtgtgaa ccaccacgcc cagcctaatt gtgaattttc aaacctttat cagggtgagg
118681 acattttctt caattcctat tttttgagtg ttttatcatg aatgggtgtt ggattttgtc
118741 aaatgccttt tttgtatgtc tattgaaatg attatgtact ttgttttgtt ttgttattta

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FIGURE 2 (cont.'d)

118801	ctctattgat	atggtgaatt	caattaattg	atTTTTggat	gttaaacc	ctttgcattc
118861	ctgggctaaa	tcccacatgt	tcatattggt	taatgccttt	tataacttc	tgggttaggt
118921	ttgctagtag	ttcgttgaaa	atgtttatat	ctatattgct	aagggatatt	ggtttatagt
118981	tttcttgtga	tgccttttagt	tttgggtataa	tatgggtatg	agacaatgaa	ttgggaagt
119041	ttccttctat	ttcttaaaaag	agtttatgca	agatcagtat	taattcctta	aatgtttgat
119101	agaattagcc	agtgaagcta	tctgggtctg	ggcttctatt	tgtgggaaat	tttagaatta
119161	gtaattcaat	ctctttgggt	gtgattgttt	tattcagatt	aactatttct	tcatgagtca
119221	gttttggcag	tttgcgtctt	tctaggaatt	tgcgcatttc	atttaactag	tttgttggca
119281	tgcaattggt	catagtattc	ttttttatta	attttaattt	ctgtattgat	tttccctcat
119341	tttatgagtc	tcatttttcc	ttttttattc	attttaattt	ctgtattgat	tttctcttat
119401	tgctcatttt	aatgggttga	atcctctggt	cagttggctg	aagagtgtgc	aattttattg
119461	ctgatcatgt	atcactttta	taattgaatt	gttataagaa	gacataagaa	gtaagaggca
119521	acccctacaa	tggagaacat	taaggtagac	tcaagctttt	ctgcccattc	ttcctacatg
119581	ccaatatggt	tgatccaaaag	ttattttcat	tactctcctc	tccatctctt	gtctggaggt
119641	gtaggtaaag	tgaagtttgg	ggattgtgca	cccacactgg	gagctgggtc	cttgggtgac
119701	ttccagcagt	gacaggccat	acactgtgga	aagggtttat	ttcataccat	gctcttgaga
119761	tagaagaaac	catggccccg	tggccactcg	atctgatgtc	ataaactcacc	gatattgttt
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120181	ggtttgttac	atatgtatac	atgtgtcatg	ttggtgtgct	gcacccatta	actcgtcatt
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120421	tccagcttca	tccatgtccc	tacaaaggac	atgaattcat	ccttttttat	ggctgcatag
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121261	ggcttaacat	ttaagtcttt	aatccacctt	gaattaat	ttgtataagg	tgtaaaggaag
121321	ggatccagct	tcagctgtct	acctatggct	agccagtttt	cccagcacca	tttattaaat
121381	agggaaatcct	ttccccattg	cttgtttttg	tcaggttttg	caaagatcag	atggttgtag
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121681	ttgatgggga	tgacattgaa	tctataaatt	accttgggag	tatggccatt	tttatgat
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121861	ttcttaggta	ttttattctc	ttttagcaaa	ttgtgaatgg	gagttcactc	ctgatttggc
121921	tctctgtttg	tctgttattg	gtgtataaga	atgcttgtga	ttcttgcaca	ttgattttgt
121981	atcctgagac	tttgcctgaag	ttgcctatca	gctttaagga	gattttgggc	tgagacaatg
122041	gggttttcta	aatatacaat	catgtcatct	ggaaacaggg	acaatttgac	ttcctctttt

# FIGURE 2 (cont.'d)

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122161	actatgttga	ataggagtgg	tgagagaggg	catccctgtc	ttgtgccagt	tttcaaaggg
122221	aatgcttcca	gtttttgccc	attcagtatg	atattgggtg	tgggtttgtc	ataaatagct
122281	cttattatth	tgagatacgt	cccatcaata	cctaatttat	tgagagtttt	tagcatgaat
122341	ggttgttgaa	ttttgtcaaa	ggccttttct	gcattctattg	agataatcat	gtggtttttg
122401	tctttgggtc	tgtttatatg	ctggattaca	tttattgatt	tgtgtatgtt	gaaccagctt
122461	tgcatcccag	ggatgatgcc	cacttgatcc	tgggtggataa	gctttttgat	gtgctgctgg
122521	attcgggtttg	ccagtatttt	attgaggatt	tttgcacoga	tgttcatcag	ggatattggg
122581	ctaaaattgt	tttttttgtg	tgtgtatctg	ccaggcctttg	gtatcaggat	gatgctggcc
122641	tcataaaatg	agttagggag	gattccctct	ttttctattg	attggaatag	tttcagaagg
122701	aatggtaacca	gctcctcctt	gtacctctgg	tagaattcgg	ctgtgaatcc	atctggctct
122761	gaacttttct	gggttggttag	gctgttaatt	attgcctcaa	tttcagagcc	tgttattggg
122821	ctattcaggg	attcaacttc	ttcctgggtt	agtcttgagg	gggtgtatgt	gtcaggaat
122881	ttatccattt	tttctagatt	ttctagttaa	tttgcttaga	gttgtttata	gtattctctg
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123001	tctaattgat	tcttctcttc	tttttttttt	cttttttttt	aattgatcat	tcttgggtgt
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123181	gtttgtgtcc	ctgggtactt	gagattaggg	agtgggtgatg	actcttaagg	agcctgctgc
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123361	tcccaaggca	gaagaatttt	tcttagtaca	gaacaaaatg	aaaagtctcc	catgtctacc
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123721	acggggcggc	tggccggggc	gggggctgac	cgcctccccc	ctccctcccg	gacagggtgg
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124141	cactttccag	actgggcagc	caggcagagg	ggctccttac	atcccagacg	atgggtggcc
124201	aggcagagac	gctcctcact	tcccagacgg	ggtggcgggc	gggcagaggc	tgcaatctcg
124261	gcactttggg	aggccaaggc	aggcggtctg	gaggcgagg	ttgtagccga	gccgagatca
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124441	gcctgttcta	cacagtgaat	ctcgtctttt	accattttat	tatgtttatat	tagttctgcy
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124561	gtgttgttgt	ttcgactctt	gagtcgcctc	gacactcagt	cttgggtgctc	cttatcatat
124621	ggagatcggt	ggtcgctcgt	tcttgttttg	gttttgcttg	tgccttttct	gtttattgta
124681	tcgcttatga	tcgtgatgtt	gtcttagttg	cttgttggtc	tctagtgtgt	tttttgtgtt
124741	gtatcttggt	cttgcgttga	gtgggttggg	cgttggcccg	aggctttctt	ttggttctgt
124801	ggtgtctctg	acgtttttgt	gctctnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
124861	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
124921	nnnnntagat	ttggacgtta	tgttttgagt	attttatttg	attgggtatg	gttagtagta
124981	ttgaggggca	tgtgggttaa	ttaggttttg	tatagattat	attttattta	tttattgtat
125041	tttaattgatt	agatgttggt	tttaactgtg	tagatggtgg	gtatagatta	tagatgtgag
125101	tcggtgagct	atatgggata	ggtaggttgg	gtgtgtcgtg	cttctcgcgg	ctctctcag
125161	cagtgtgctt	cggcctcgag	accaccaact	caacatcacg	tccatctcat	ttcgcgctac
125221	gacacactca	tgtctgtacg	cacgagtgtg	tcttctcgcg	agcgttcttg	tctggcgtgc
125281	tggggggggc	tggggggggg	gggcggggcg	gggggagata	ggacgtggaa	gaggagagat
125341	ggcagagggg	agatggcaga	gggagagctg	aatcttctct	tttcttcttt	attagtcttg

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FIGURE 2 (cont.'d)

125401	ctagcagtc	atcaattttg	ttgatccctt	caaaaaatca	gctcctggac	tcattgattt
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125641	tccctctaca	cactgcttta	aatgtgtccc	agagattctg	gtatgttggt	tctttgttct
125701	cattgggttc	aaagaaaatc	tttatttctg	ccttcatttc	gttatgtacc	cagtagtcat
125761	tcagggtcag	gttggttcagt	gtccatgtag	ttgagaggtt	ttgagtgagt	ttcttaatct
125821	tgagttctag	tttgattgca	ctgtggtctg	agagacagtt	tgttatgggt	tctgttcttt
125881	tacatttgct	aaggagtgct	ttacttccaa	ctatgtgggc	aatttcagaa	taggtgtgat
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126061	tcattgatct	gtctaattgtt	gacagtgggg	tggttaaagtc	tctcattatt	attgtgtggg
126121	agtctaggtc	tctttgtagg	tttttaagaa	cttgcttaat	aaatttgggt	gctcctgtat
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126481	cattttacatt	tatggttaat	attgttatgt	gtgaatttga	tcttgtcttt	acgatgttag
126541	atggttattt	tgctcattag	ttgatgcagt	ttcttcttag	cattgatggg	ctttacaatg
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126661	ggagttcttt	tagggcaggc	ctggtggtga	caaaaatctct	cagcatttgc	ttgtctgtaa
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126781	gaaaattctt	ttctttaaga	atgttgaata	ttggccccc	gtctcttctg	gctttagagg
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128341	tcccaggtga	ggtgatgctc	acactcaatg	ggctgcccc	actgttctgc	ccccactgtc
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128461	tctgcattgc	tcattgttgg	agctgttagac	tggagctgtt	cctattcggc	catcttggaa
128521	ccagtctgaa	ttagtgaatt	ttcaacatac	aactcaactc	ctgtgctctt	agccactcac
128581	tttacaaaag	ccaaatccag	ttcctcatcc	tcttggccac	tcactcagca	agccttgggg
128641	ccctgcctt	tcagtgtcta	gagaatcatg	ttcagatgca	agagccaggg	ttggttctca

# FIGURE 2 (cont.'d)

128701	ctgggcttgg	caggcacagt	acatgcctaa	ctctggcctg	cgtgtgcatt	tccacttgag
128761	gtcctaacct	tccactcagc	ccctcaagac	tcttcaggga	cctaagggcc	cctgggtgcag
128821	agctgccttt	ttgctccagg	agaaaggcat	ttcgtggccc	ttgggtgggta	tctttaaatc
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129061	cctacacaga	ggattgagaa	tgagctccat	tctaaaagag	tgcagtgtcc	tagatggcctt
129121	tagaagagac	acatgtgctt	ggacttgggc	tctgtcactg	aagctgtgtg	accaagagtt
129181	gccctgacct	cctcacatgt	aaaatggaga	tgataatgcc	tacttctccg	ggatcatggtg
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129301	caatggatgg	gaacaatgat	cattatcatt	atgcctatag	tcatcactgg	cctgaggggtt
129361	ctgctcctcc	ctctaagcct	agctctgaga	gcactttatc	tctcagcctg	tctgtctgcc
129421	gtctctcact	gcaggagtgg	gagcaggtag	caggtagcta	agggcggggc	tgcttctcag
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129541	gcctgtgaac	gcagcccata	gagctgtgaa	tagggggagc	ccagatctcc	tgaaaaacag
129601	tccctggaata	gtttctctag	ctctcgtggt	aaagcattgt	gttttaaaac	ttacttttca
129661	acacagatta	ttatatTTTT	gtaaaaatata	ataaaaaatta	attactagaa	aaatgaaatt
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129781	acaaaattgt	tctgttaagt	tgctataaaa	gtttctaaaa	cccctcctct	gagtctttgt
129841	atTTTTatTT	gtatTTatTT	tatTTTTatT	ttttttaaga	gacaggggtc	ccctctgtct
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130021	tggctaattt	TTTTTTTTTT	tttgagacag	agtcttgctc	tggtgcccag	gctgggggtac
130081	agtggcatga	tctcagctca	ctgcaagctc	cacttcccag	gttcacgcca	ttctcctgcc
130141	tcagcctccc	aagtagctgg	gactacagtt	gccccaccac	acatccagct	aatTTTTtgt
130201	atTTTTtagt	gagacgggg	tttactgtgt	tagccaggat	ggtctcgatc	tctgacctt
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130321	tctacattgc	ccaggcttgt	gacaaaatcc	tagactcaaa	caatcctccc	gccttagcca
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130501	agggtgagac	atcttcaccc	ttgagcttgg	aactggggtc	caaaaaggaa	tattaacggg
130561	atacctctgc	atcctccccc	ggggatgtaa	agccagccag	gaggggaggg	ttgaggccac
130621	agaaggcaag	ctgagtatta	atgggtgaaa	taactgttat	cattggctat	gggggttaatt
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130741	gcaccttgac	tctgaggagc	tggatctctt	cagtttcaact	ggtatgaata	agtcagtaca
130801	tgcggaattg	caacatgcca	agtttcaaaa	agagaatagt	tctgtctccc	ctgggtcccga
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131101	ggtgagtaat	tgaatcactt	gtaggctggc	ccccctcatt	tccaggttgt	tcaagggatt
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131281	actagcctgg	ccaacatggc	aaaacccttt	ctctagtaaa	aatacaaaaa	ttagccaggc
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131461	gcaatagagt	gagactctgt	cccaaaataa	taataataat	aataataata	ggccacaaat
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131761	agaagcctta	aagaatgaga	ctccatatgg	acagagaggc	caaggagcct	agaggtgcca
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131881	tgcccagtga	agcctttcct	aaattcctga	cctgcaagag	catgaacaaa	attaaatggc
131941	tgttttaaagt	taccaaggag	gttggtttta	cagcagtaga	gagaatggaa	cttgctggac

# FIGURE 2 (cont.'d)

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132121	aggccaatca	ctccccagaa	cctttctact	gagggccgca	gctcctccaa	gggtgctgtc
132181	tccaggatac	ttctgcatta	ctcccacaac	cttccccctc	cccctgcac	aggactagt
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132301	cccctttgtt	aaaccctcat	cctagtgtac	catctgtttt	ttgccaagat	gagctgaagg
132361	gtctgcagga	agaagggtct	cataaccgag	accttgggta	gatgtgcagg	agggagtttc
132421	agagccagca	ttttctaact	accagaaaaa	gagaagtgcc	ctgtccacaa	ccttccacat
132481	tctgttgacc	acaggaataa	atgaactttg	tgattttttt	tcctgtcatt	aggtaggggg
132541	acaaaaatcc	tcttaactcc	atgttcagaa	atattctgga	aatttggttt	cttaagtcaa
132601	attccacatc	agaaacgatg	ggatgtggcc	tggtagctta	agaacagcag	gtacagaata
132661	acttttttct	cctttgtctc	agttttctta	gctataaaat	gggggtaaca	gtcatctctt
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132781	aaagagtttg	acgctgtcat	ggcagaagca	gtggctttct	cttattacgg	tggctgcctg
132841	gcctttgaag	gcttatcttt	ccaggtttta	actgagagca	agctgaaggg	ttatgactcg
132901	aagtgaaggta	ggattttggc	aggcacacta	ggaggctggg	tatgcaaggt	gggtacttca
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133321	gagaagtgcc	catccagggg	catgtcccat	aggtatctgc	ctgtatggac	cctagttacc
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134401	tgggaagagg	tggagttttg	cctccactac	agttcatgga	gccaagattc	ttcatgaaca
134461	ccttaaatga	actcctgaat	tcatttacc	aagacattca	ctgaaggcct	gcccctgaca
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135061	acagtgaagc	caagcagctc	tgetgcacct	gtggcattac	tgggtggcagg	gtgaggctag
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135181	acaaggctgc	ttggccccct	ccctgccagg	ctcctgcttc	caggacacag	gcggctctga
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FIGURE 2 (cont.'d)

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135421	gttgctcagg	ctggagtgc	gtggctcgat	ctcggctcac	tgcaacctcc	acttcagggy
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135541	catctgggta	agttttgtat	tttcagtaga	gacagggttt	cacatgtgtg	gccaggctgg
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137461	cacagcagga	ggggggccagg	cctgcagtct	ggctggtcta	tggccagccc	agccactttc
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137761	tcctctctgg	gccaagtaca	ctgggctgat	gctatatattg	tctatttgct	gtgacacatt
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137881	aggccctcag	gaagcactgg	gcctgggaat	ggccgagcga	gtgattatcc	tgctttacag
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138421	tgcttggttc	ttttaacttt	ttattggata	tgtagtttta	aagcttttga	atatttcggc
138481	aaagagtcag	ttggtcagtt	ttcatgtgag	ctttctatca	gcatttttag	aaagttttca
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# FIGURE 2 (cont.'d)

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138721	gatgagagag	ggggaggcta	tggggaagag	ctgaggaaaa	caagggacgg	agagagggat
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138841	ggagattgag	ggagcagaga	aggggcctct	gagaggtggc	tggaagacag	agtgtagagg
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138961	tagggaactg	ggagcagggg	aaggaagagg	aggcagaaga	gggggacaga	tgtagggaaa
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139081	tattttatgct	ccactaatat	attcccattc	acaagaagga	ggtattctag	aattaatttt
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140821	aatggtgaga	aggcagcttg	gtaaagtcta	aatctttttg	gtccagttag	gagctggggg
140881	ggggtggaag	ggaactgata	ttccctgcgc	acctgcagta	tgtctgggac	tattaccagt
140941	cattttacgga	gcgcttcctc	tgtgccaggt	actggattag	gcacttcatt	aaaggctcag
141001	tgagaactgc	gacctgcccc	tgctcatgga	aaagagtcgt	ggggctggaa	ttcaggtcca
141061	gatcagcatt	aggaactagc	ttccaaatgc	tgagggtccc	ctcgcgtcct	cacacctagc
141121	gtggaagtgt	tccttggtgt	acattctgct	gggagggagt	gcagccccctc	catttaggaa
141181	aagcctctcc	tggcctgggt	tctgttcctt	ccctttaatt	tctctggggg	actgtcctga
141241	gaatgtaagc	tgccaggtg	ccgtctgagc	caccagatgg	gcctgggctc	acccatgact
141301	catggaccag	actgaagcca	accctccatt	ttcagctggg	gaaactgagg	cccagacaga
141361	cggtagagtg	agctgggtgt	catgtctgga	cagaactcag	gcctctggac	ccgtgacgt
141421	gcacccttcc	ccacggctca	cagctggctg	ctccgaggtg	ccctcagagt	tctgtgagca
141481	tgactcatct	gcctctccct	ccctgtgcga	cctgcagaag	gagcctaagg	aagaggtggc
141541	acaagaaacg	cggcccagtg	aagggggctc	cggagcctcg	gagcccagat	cttgaagtgg
141601	aggggaaacc	ttgggccttc	tcctcccagg	gaagacgcct	tgcaaggcgc	acgcgggaag
141661	tctccgtttc	cgacaggggt	cgcgccgcgc	gagaggggtc	ctggacgctt	gccaccaggg
141721	gtaccacccg	gccactggga	gcccagggca	cgccccaccg	cagttctgcc	ctccctgaca
141781	gggtcctgga	cacccccagt	cctgtccggg	cgcccccgac	gggccctcgg	cgcccccgcc
141841	caggcctctg	ccgtccaaac	cgggtcccgg	acgcacctca	gcccgcgctc	caccctgtgc

FIGURE 2 (cont.'d)

141901	ccgccccgcgc	tcaccgcgcgc	acgctcgaag	tcgttgtaga	agggcttgctc	cagcagggtgc
141961	ttctctgctgc	agccccgccga	gcccacgagg	ctgaggtaga	tgtagtcgtc	agtgtcttca
142021	ccacgggggtg	aagtacggtc	cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142081	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142141	nttttttgggt	tggtgttgctc	tctttgtttt	tgcgagcggg	ccttccgccc	cgtgggtgaag
142201	acaagtgggc	gcctctgcct	ggccatccca	tctgggagg	gaggagtgc	tctgcccggc
142261	caccccgctc	gggaagtga	gagcgtgtct	accagccac	cacgtctggg	aggtgaggag
142321	cgcttctgcc	tggccgcccc	atctgtgaaa	tgaggagcgc	ctctatctgg	ccacccttc
142381	tgggaagtga	ggagtgcctc	tgcccgccg	ccaccccgcc	tcggaggcga	ggagcacctc
142441	tgcccgccca	ccaccccatc	tgagaggcaa	ggaccacctc	tgcctggccg	ccatcctgtc
142501	tgggaggcga	ggagcacctc	tgccagccg	ccgccccacc	taggagggtga	ggagcgcctc
142561	tggccagccg	ccccacctgg	gaggcgagga	cgccctctgc	ctggccgccc	catctgggag
142621	gtgaggagcg	cctctgcccc	gccaccaccc	catctgggaa	gtgaggagcg	tctctgccag
142681	gccgccccgt	ctgggaagtg	tacccaacag	ctccgaagag	acagcgacca	ttgagaacgg
142741	gccatgatga	cgatggcggt	aaataaaattt	agaaaagggg	gaaatgtggg	gaaaaagaa
142801	agagatcaga	ttgttactgt	gtctgtgtag	aaagaagggtg	acataggaga	caccattttg
142861	ttctgtacta	agaaaaaatc	ttctgccttg	ggatgctgtt	aatgtacaac	cttaccacca
142921	accccggtgt	cgctgaaaca	tgtgctgtgt	caactcaggg	ttaaattggat	taagggtggt
142981	gcaagatgtg	ctttgttaaa	cagatgcttg	aaggcagcac	gctcatttaag	agtcatcacc
143041	actcccta	ctcaagtacc	cagggaacaca	aacactgctg	aaggctgcag	ggacctctgc
143101	ctaggaaaa	cagagacctt	tgttcacctg	tttatctgct	gaccttctct	ccactattat
143161	actatgactc	tgccacatcc	ccctctctga	gaaacaccca	agaatgatca	ataaatacta
143221	aaaaaacaaa	ttaattaatt	aaataaaattt	catatggaac	caaaaaagata	ccctgcattgc
143281	caagtcaatc	ttaagccaaa	ggaacaaaagc	tggaggcatc	acactacctg	acttcaaact
143341	atactacaag	gctacagtaa	ccaaaacagc	acggtactgg	tacaaaaaca	gaggtataga
143401	ccaatggaac	agaacagagc	cttcagtaat	aatgccacat	atgtacaact	atctgatctt
143461	tgacaaaact	gacaaaaaca	agaaatgggg	aaaggattcc	ctatttccata	aatgggtgtg
143521	ggaaaaactg	ctagccaata	aatggtgtag	ggaaaactgg	ctagccatat	gtagaaagct
143581	gaaactggat	cccttcctta	catcttatac	aaaaattaat	tcaagatgga	ttaaagactt
143641	acatggttaga	cctaaaaacca	taaaaaacctt	agaagaaaaac	ctaggcaata	ctgttcaggga
143701	cataggtcatg	ggcaaggact	tcatgcctaa	aacacccaaa	gcaatggcaa	tgaagccaa
143761	aattgacaaa	tgggatctaa	ttaaaactaaa	gagcttctgc	acagcaaaaag	aaactaccat
143821	cagagtgaac	aggcaaccca	cagaatggga	gaaaaattttt	gcaatctact	catctgacaa
143881	agggctaata	tccagactct	acaatgaact	caaacaaatt	tacaagaaaa	aaacaaacaa
143941	ccccatcaaa	atgtgggcca	aggaaaagaa	cagacacttc	tcaaaagaag	gcatttatgc
144001	agccaaaaaga	cacatgaaaa	aatgctcatc	atcactggcc	atcagagaaa	tgcaaatcaa
144061	aaccacaatg	agataccatc	tcacaccagt	tagaatgggtg	atcgtaaaaa	agtcaggaaa
144121	caacaggtgc	tggagaggat	atggagaaat	aggaatactt	ttacactgtt	ggtgggactg
144181	taaaactagt	caaccattgt	ggaagtcagt	gtggcgattc	ctcagggatc	tagaactaga
144241	aataccattt	gacccagcaa	tcccattact	gggtatatac	ccaaagtatt	ataaatcatg
144301	ctgctataaa	gacacatgca	cacatatgtt	tattgtggca	ctattcacaa	gagcaaagac
144361	ttggaaccaa	cccaaatgtc	caacaatgat	agactggatt	aagaaaaatgt	ggcacttata
144421	caccatggaa	taccaagcag	ccataaaaaa	tgatgagttc	atgtcctttg	tagggacatg
144481	gatgaagcta	gaaaccatca	ttctcagcaa	actattgcaa	ggacaaaaaa	ccaaacactg
144541	catgttctca	ctcatagggtg	ggaattgaac	aatgagaaca	catggacaca	ggaaggggaa
144601	catcacacac	tggagcctgc	tgtggggtgg	ggggttgggg	gagggatagc	attaggagat
144661	atacctaagt	ctaaatgacg	agttaatggg	tgcagcacac	caacatggca	catgtataca
144721	tatgtaacta	acctgcatgt	tgtgcacatg	taccctaaaa	cctaaagtat	aataataaaa
144781	aaataagctt	ataaaatgct	tttaatgcta	tataacttta	taactctgaa	agaataatag
144841	atttgtatta	tgctgtcagt	gagtaggtct	attaagtgat	aacattaaac	acaaatacca
144901	ccattttata	agtatgattt	tgatatcatc	ggttgtgtat	tttcacccca	aactctgtag
144961	atagtaactt	tgttttctca	tttgaccatg	ctcaatcttt	agagaccatg	ctcttctctc
145021	aaaatgactg	taggttcatc	caagtatgtt	tgctacccaa	aatcaatgaa	acacagtcac
145081	aactatgtct	gtctaggaat	aaagccagct	aatttagattc	ttatttctaag	gaacaagaag
145141	agggcaggta	agaatttgat	tatggcagaa	ttctgaccat	aatcaataac	tgttttctat

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FIGURE 2 (cont.'d)

145201	tttttctcca	tgttgctcgg	tggttcatac	ctgactttca	tcattttcaa	tgattcctgt
145261	ttgttttgtt	tataaatctt	aaaatcatca	tgaaaagtgt	cactgaatga	aaacctgaaa
145321	attgggaaat	aaacattttt	ctgcaaaaaa	aaaaaaacaa	tgaacactga	cttctcctat
145381	ttctcaaagt	catctcaaag	ccatatgagg	attaccacaa	acttgcaggt	gagaaaaattc
145441	tttgcaatgt	aagaagtgcc	atgcaaatta	gttgatgcta	ttataattag	tctcagggat
145501	caaaaatgct	tgaaccctaa	atctaacact	tcaaaggaaa	gcattatttt	tcattcattt
145561	tacaagttac	acctcccttc	ttccccacat	ctttgtttag	aatctggacc	ctgaagttag
145621	aggaccaaga	ttcaaatccc	agcctcatca	gtactagcta	tgtgatattg	ggaatgttac
145681	ttgatccctg	cttatcttac	tttctgcatt	tattaaatgg	ggatgagaat	aatatctacc
145741	caaataaggt	gccccaatga	gtgccccaca	gcatgaagcc	caataaaggt	tagttaacat
145801	cacatccata	attgacacct	ttaggtatta	gattttcatc	atcccagaac	attttccttc
145861	tttaagcctt	tttcttttcta	agtggcactt	tcttggtatac	tgattgcaact	cctcacaaac
145921	ttgaaacggt	caaacacaca	agatgccatt	taggagacat	tggaaacttg	gtttccttct
145981	ctgtaaaact	gagtaatgac	agtcacctcc	cagggctgtt	gtaagaatga	atgagctaga
146041	gtatgtaaaa	tatcttagca	cagagtgtct	aagaaattat	tagttccagc	caagcgtggt
146101	ggctcacgcc	tgtaatccca	gcacttaggg	aggccaaggc	aggcggctca	tctggggtca
146161	ggagttcaag	accacctggt	caacatggtg	aaaccccgct	tctactaaaa	atacaaaaaat
146221	tagccaggcg	tgggtggcatg	tgcattgta	cccagctact	caggaggctg	agacaggaga
146281	atcacttgaa	cccaggaggt	ggaggttgca	gtgagccgag	atcgtgccat	tgcactccag
146341	cctgggcaac	aagagtgaaa	ctctgtctca	aaaaaaaaaa	aaaaaaaaag	aagaagaaga
146401	agaaagaagg	aaagaaagag	agagagagaa	agaaagaag	aaagaaagaa	agaaagaag
146461	aaagaaagaa	aaagaaagaa	agaaagaagaa	gaaagaagga	aagagacaga	aagaaagaag
146521	ggaagaaaga	aagaaagaaa	gaaagaagaa	aagaaagaaa	gaaagaagaa	aagaaagaag
146581	ggaagaaaga	aagaaagaaa	gaaagaagaa	gaaagaagaa	gaaagaagaa	gaaagaagaa
146641	aagagaaaga	aagaaagaaa	gaaaggagag	acagaacgaa	ggaaagaagg	aaggaattat
146701	ttcccttttt	cccaccacag	cctcaccaca	aaccttggtg	tggggataac	atgtaaaagt
146761	gaacaaaact	gagaagatca	catcgcatat	gcactcagcc	tctagtggga	gacacaggca
146821	ataaacagga	aaagttaaaa	acagtactag	gtagtgggtga	gtgcaattag	cctcccgcag
146881	cataaaggga	ggagaataac	cagtggctct	ttcatgcaga	gaatcagggt	agacctctgg
146941	ggagagacc	gcactcagac	tgggtaggaa	ttatttattt	tatgcgtggt	cagttaggag
147001	ttagagtgct	ctgtcgtgat	tatctaattc	tgggaggaa	aatgtcagac	gggtttcaag
147061	atgagtatga	gaattggtct	tccttctgaa	aaaacaagaa	ttgagttcac	actaatcaca
147121	aatacatcaa	gcctatttga	gtcttgtgtg	tgtcatggat	tgaagtgtat	ctttccactt
147181	agtcaagaag	ttccaatgag	aagaatgctc	cttaacttcc	taagtgcac	agagtagttg
147241	aactgagcca	tggatggtaa	atctacttaa	gaaagcacat	gccatggaaa	gatagcattg
147301	gctgccttgc	ctacttctga	tggcacagcc	ttgcaggaag	ggaaagaagc	caagaggcaa
147361	aagcctggtc	ttgttctgaa	aggcacaagg	aggtggaaga	ttaggggaaa	ctcacccaaa
147421	aagtactcag	ctctgaactc	agactcaaga	agccacaata	agcaacatga	atggaaactg
147481	agggaataaa	accaggcgta	gaaacacaaa	tgttgcatat	tcttactcat	gtgggaacta
147541	aaaacatgca	tttcaaggag	aatagaatga	tggttatcag	agactgggaa	cagttgtggg
147601	tgggggtgtt	aagagaggtt	gcttaatggg	tacaaacata	tagttagata	gaaggtataa
147661	gttctaattg	ttgacagcag	agtaggagaa	ctatagttaa	cagtaataata	ttgtatactc
147721	caaaatagct	agacaggga	atttgaatg	ttccaacac	atagaaatga	caaaagcttg
147781	aggtaatgga	taccctaaat	atcctgactt	gatcattaca	cagtctatgc	gtgtaacgaa
147841	ataccatag	taccccataa	atatgtacaa	atattatgta	tcaataaaaa	tttttaaaaa
147901	gaagctgcaa	tcaacatttc	atcattatct	tttcagcagc	atccttacaa	agttacagag
147961	acatcttaag	atgtatccct	cttcctctga	atcttcctgg	gatagaacaa	atgaaaacta
148021	aacaaggagt	gggctgggag	gagctgtcaa	catccatcct	aaggaaaagt	ctgttagggc
148081	tatgagcttc	ctctgtccta	gagtagagct	gggaaaatag	agtcttgaca	attgatttct
148141	tattctttct	ttctctaaat	ccccaatgaa	tatgtttttc	tttttagtgc	tcagtggtag
148201	acagggtcta	attctgttta	gttatgcaaa	caggccagaa	gaaactgaaa	taggctataa
148261	atgtttgaag	ctggccaaaa	gaagatgtag	tcacacaaga	taccctctgg	aggaaagtga
148321	ctgtcaggaa	agtcactttc	ctgaccagca	aaaggaccag	cactattttg	tcctgctgaa
148381	gaagtacatt	tgtcctgctg	ctgtcatggg	gacagtggct	ccagggtctc	ctgtggacat
148441	gccacaagtt	ccactccatg	agtcaggaga	tcattgcggct	agctgggggg	aacttagggg

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FIGURE 2 (cont.'d)

148501	tgctctcttg	agcttagcct	tatgctgctg	gtctgctttg	ccaaccacaa	aaacgatagt
148561	ttcatagcaa	gttgcaggct	ccctggaaac	ttaacctacc	tactaggata	catttacagc
148621	tgcttttctc	ctggcatcag	gctggagatc	aagaaataca	taaaacatag	tccctgccct
148681	cagtttagctc	agaatatggt	gggggaatgg	agacagaagc	aaatactggt	gggacaagtg
148741	acgatggggc	aaaatatggt	cttaaacaaa	ggttgtggga	gctcagaaaa	ggagcaactc
148801	actctgcctg	aaagagtcac	ggagggctcc	acggaaaaag	caacatttgt	gcaggaggag
148861	attagaacac	agaggagaag	gatagcagca	ctccagatga	aggggaaggaa	atgtgccaaag
148921	atctcatggg	aatgagaaga	tgtaaaactgc	tcaggaaaaa	ccatggttga	agctcttcac
148981	agtggctgaa	gcatgggtgtg	attgtcagtt	ttgcttgtca	acttggtcag	gctgtagtac
149041	tcaactattc	aaccaagcac	tgatctaggt	attgctgtga	aggtattttg	tagtcgcaat
149101	taacctctac	aatcagttga	ctctatttaa	aggacattat	tctgtactat	ctgagtggac
149161	ctgatccact	tcatcccaaa	ggtaaatgat	tctccaacag	tgttctcatc	tacatctagg
149221	gcttggaaga	tgaagggtgaa	ggagaatatg	gaaaaacaac	aagaaaaaag	tcaatcaatc
149281	agaacttcca	gccctgtggt	tgtagtttca	ctttatgttc	aaccagtatg	tctccacttt
149341	tatttcatgg	cttgtaagat	ttcatctgaa	aaagggaatt	cactcttcag	gtgttggaag
149401	tcaattatga	gagaagcact	tacagaatga	ctatctgaag	agctctgcag	acatttctca
149461	gagtaaaaaa	accataaccg	gtgaaaatta	aaaacaaaca	aaataaaaaa	atgttagagt
149521	attggaaatt	gttctaaggg	ccgacagcaa	atgaagaaat	ccaagaaagc	ctaccaattt
149581	cagtgaagag	agtgaagatc	tatggtgttg	agtctatggt	gtttaagtgc	tgttcatttc
149641	ctccctctcc	tgcaatcagt	tcagtgaaac	agaaaccctg	ctccagagat	gtgcagccaa
149701	aaagacaggg	tgccctttcc	cctcagctcc	caatctaggg	cagactacca	gcatttccca
149761	agcccatctc	tggtctctatg	ttgcagaagt	tctattccaa	gaaagtgttg	ctgagaatct
149821	gaagcttcct	tcttccaactc	agcctctact	attaaggcgt	aagttctatc	cccagtgcc
149881	ggggccaaga	atactgatgc	tgaatgtcct	tgctccgcta	cactcatagg	gcagagattc
149941	catgggagga	gtgaagtttc	cattccagaa	aaggcagaaa	aacagaaatt	actgcccaat
150001	ccagtacccc	accataaaag	aaggaaagac	atctgagaaa	agcatgacac	tgtcccaaaa
150061	accacctgca	gagtagtggc	agtgaaggca	gtaggagagc	tagaggacct	gcctagaggg
150121	agaagtaggc	cataagaaga	aaagtctcta	gttctcccta	aagggacaaa	ctttatttgc
150181	aacagaacat	gcggaagtgc	aagcctaagg	gcaactgtca	aaacaatgaa	tattttgggtg
150241	gtaagcaatt	aataaggttaa	tgcagctcta	gtgagagcaa	caaaactaac	cataaaccag
150301	ctagacatat	acaataaaaa	tccaagaaag	agagagccaa	gaagggcctt	cctgagggtta
150361	aaacaaacat	caaagtcttg	tctgaaaaac	tgctcctgca	aaggaagcaa	aatatatttg
150421	gatcagactg	tggagcaatt	tatgccctta	aaaagctgtc	aaaacaaaaa	gagcaattat
150481	ctagcaattg	ctggaggtta	acagttgggt	atgataccaa	aagaggcaaa	caactgaaca
150541	gatcagagaa	agaggcagtc	aaagagagca	ctgctaaatg	cactgtaatt	ccaatttgag
150601	agaaaaatgtg	cccagtgtctg	tgactccctc	aggaacaaca	tcagaggcca	caaattatgg
150661	tggaaatagg	cttcaactata	tagtctagcc	aggcaattaa	acaaaataac	aattaaacaa
150721	cagtaacata	gtgagggggg	cagaaatgag	tattgcaact	agctagaaca	tatttttgaa
150781	caaaaaaatt	atgagtcaag	cagagatatg	gaaaagacag	agccatacac	cagaaaaaag
150841	gtaagcaaga	gaaactgcct	ttgtgagtgc	caagatgtca	gacatagcag	aaaaaaaacc
150901	tcaaagtaat	tattataaat	atgttcaaaa	actaaaagaa	aatgtgtcta	aaaaataaaa
150961	gatggtatga	taatttcttg	tcaattcaaaa	aataccaata	atagattaaa	aatatttttt
151021	caaaagttaa	ttaaccaaat	ggaaattctg	gggttttaaaa	gtaaaataac	aacaataaga
151081	acatttttgc	agaggaaatg	aacaatagat	ttgtaccaga	aggaaaaata	atcaaataaa
151141	cagggaattc	atcaacacca	aacctgtctt	acaagaaata	ctaaagggag	ttcaatctga
151201	aagaaaagac	attaacaaagc	aacaggaaat	catctgaagg	tacaaaactc	actgtacctt
151261	cagatgataa	taagtccctca	aaaaacacag	aatattataa	cactgtaatt	atggtgtgta
151321	agctacttat	atcataagta	gaaagaggaa	aagatgaact	gattaaaaaa	caattacaac
151381	agcttttcaa	gacagtataa	taagatatat	aaataacaga	aagcttaaaa	gcataataat
151441	aaagttaaaa	tgtagaggtt	tttttagttt	tctttttgct	tgattgtgta	tttattttatg
151501	caatcagtgt	tgttttcatc	agcataaaaat	aatgggttat	aagatagtat	ttgcaagcct
151561	catagtaacc	tcaaattttaa	aaacatacaa	tgtatacaca	aaaagtgaag	agcaagaaat
151621	taaaacatac	cacaaaaaaa	aatactttca	ctaaaaagga	gacaggaagt	aagaaaagat
151681	ggagagaaag	atcacaaaaac	aaccagaaaa	taaataacaa	aatggcaagc	aagtccttat
151741	ttgtcaataa	taatattgaa	tgtaaatgga	ctatactctc	cagtaaaaag	atacagagtg

# FIGURE 2 (cont.'d)

151801	gttgaatgga	ttaaaaaaaaa	ggacccaatg	atctgttacc	tacaagaaat	aaacttcact
151861	tataacaata	cacagactaa	aaataaagtc	atgggaaatg	atacttcacg	acaatggaaa
151921	ccaaaaaaga	acaggagtag	ctataccttt	atcagactaa	atagatttca	agacaaaaat
151981	tgttaagaaa	aaccaaataa	ggtcattata	taatgataaa	gagatcagtt	aagcaagagg
152041	atgtaacaat	tgtaaatata	tatgcaactca	acattggagc	acctagataa	ataaaacaaa
152101	tattattaga	gctaaagaaa	gatagacccc	ctcccccaaa	acaataatag	ctgtagattt
152161	caatgctcca	ctttcagcat	tggacagatc	ttccagacag	aaaatcagca	aggaaacatc
152221	agatgtaatc	tgaactatag	accaaataagg	cctaataagt	atttacagaa	tatttcattcc
152281	aaaggttaca	gaagacacat	ttttctcctt	agcacataca	tcatttctcaa	gaacaggcca
152341	tatattaggt	catgaatcaa	gtctcaaaac	attcaaaaaa	actgaaataa	tctcaagcat
152401	cttctttgac	cacaatggaa	taaaactaga	aaccaataac	aaggggaatt	ttggaaacta
152461	tacaaaaaca	tggaaattaa	acaatatggt	cctaaatgat	aagtgggtca	atgaagaaat
152521	tatgaattga	attgaaaatt	ttctaaaaac	aaatgacaat	ggaaacataa	tgcaccagaa
152581	cctatgggat	acaacaaaag	cagtaccaag	agtgatattt	ccagataaag	gcctacatca
152641	aaaaggaaga	aaaacttcaa	gtgaataaac	tgatgatgca	tcttaaagaa	ttaaaaaggc
152701	aaagtaaaac	caaacccaaa	attagtagaa	gaaaagaact	aataaagatc	acagttagaaa
152761	taaataaaaat	tggacttctg	ctccaagatg	gcctaataga	aacagctcca	gtctgcagct
152821	cccagcatga	ttggcacaga	agatgggtga	tttctgcatt	tccaactgag	gtaccagggt
152881	catctcattg	ggactgggtg	gacaatggat	gcagcccatg	gagggtgagg	tgaagcaggg
152941	tgaggagtca	cctcaccctg	gaagcacaa	tgattggggg	atttcccttt	cctagccaag
153001	ggaagccgtg	acagactgta	cctggaaaaat	cggttcactc	ccacccaaat	actgtgcttt
153061	tcccatagtc	ttagcaaccg	gcagaccagg	agattctctc	ccaagcctag	ctcatcagggt
153121	cccatgccca	cggagcctgg	ctcactgcta	gcacagcaat	ctgagatcaa	ctgctgaggc
153181	tgcagctggg	tggggggagg	gtgtcagccc	attgctgagg	actgagttag	taaacaaaagt
153241	ggccagggaag	ctcaaaactgg	gcagagccca	ccgcagctca	gcaaggccta	ctgcctctat
153301	agattccacc	tctgtgggca	gggcataact	gaacaaaagg	cagcagacaa	cttctgcaga
153361	tttaaaccgtc	cctgcctgac	agctctgaag	agagcagtg	ttgcccagc	atggcatctg
153421	agctctgaga	acagacagac	tgctcctca	agtgggtccc	taaactccat	gtagcctaac
153481	tgggagacat	ctccccatag	gggcccagac	acacctcata	caggtgggtg	ccactctggg
153541	acaaaagctct	cagagggaag	atcaggaagc	aatatttgct	cttctgcaat	atttgctgtt
153601	ctgcagcctc	tgtgtgtgat	acccagcaca	acagagtctg	gaatggacct	ctagcaaaact
153661	ccagcagacc	tgcagctgag	ggacctgact	gctagaagga	aaactaacaa	acaaaaagga
153721	atagcatcaa	catcaacaaa	aaggacattc	acacaaaaac	ctcatctgta	gtcaccaata
153781	tcaaagacca	aaggtagata	aaaccacaaa	gatggggaga	aaccagagca	gaaaagctga
153841	aaattctaaa	aactgagcac	cgcttctcct	ccagaggatt	gcaactcctc	accggcaacg
153901	gaatgaagct	gggtggagaa	tgactttgac	aagttggcag	aagtaggctt	cagaaggtcg
153961	gtaataacaa	actactccaa	actaaaggag	catgtttctaa	cccattgcaa	ggaagctaaa
154021	aaaccttcaa	aaaagggttag	acaaatggct	aactagaata	aacagtgtag	agaggaactt
154081	aaatgacctg	atggagctga	aaaccgtggc	atgaggacat	catgatgcat	gcacaagctt
154141	aaatagctga	ttaaatcaag	tggaaagaa	aatatcagtg	actgaagatc	aaattaacaa
154201	aataaagcaa	gaagataaga	ttagagaaaa	aagagtaaaa	agaaatgaaa	agcacctcca
154261	agaaatatgg	gactatgtga	aaaaacccaa	tctacacttg	attggtgtac	ctgaaagtga
154321	tggggagaag	gaaaccaagt	tggaaaacac	tcttcagaat	actatccagg	agaacttccc
154381	caaactagca	aggcaggcca	acattcaaat	tcaagaaata	cagagaacac	cacaaaagata
154441	ttcctcaaga	agagcaaccc	caagacacat	aattgtcagc	ttcaccaagg	ttgaaatgaa
154501	ggaaaaaaat	gttaagggca	gccagagaga	aacgttgggt	taccaacaaa	gggaagccca
154561	tcagactaaa	agtagctctc	tcagcagaca	ccctgtaagc	cagaagagag	taggggtcaa
154621	tattcaacat	tcttaaagaa	aataattttc	aaccacagaat	ttcatatcca	gccaaactaa
154681	gcttcataag	tgaaggagaa	ataaaatcct	ttacagacaa	gcaaatgctg	agagattttg
154741	tcaccatcag	gcctgcctta	caagagctcc	tgaaggaaac	actgaacatg	gaaaggaaac
154801	actgttacca	gccactgcaa	aaacacgcca	cattgtaaaag	accatcgatg	acatgaagaa
154861	actgcaacaa	ttaactggca	aaataagcag	ctcacagcat	aatgacagga	tcaagttcac
154921	acataacaat	attaacctta	aatgtaaaatg	ggctaaaatgc	ctcaattaaa	gacacagact
154981	ggcaaatgac	atagagtcaa	gacccatcag	tgtgcggtat	tcaggagacc	catctcacat
155041	gcaaaagcac	acatagggat	ggagggaagat	ccaccaagca	aatggaaagc	caaaaaaaaaa

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FIGURE 2 (cont.'d)

155101	aaaaaaaaa	aaaaaagcag	gggttgcaat	cctagtctct	gataaaacag	agtttaaacc
155161	aacaaagatc	caaagagaca	aagaaaagcca	ttacataatg	gtaaaaggat	caatacaaca
155221	agaagaacaa	actatcctaa	atatatatgc	aaccaatatg	ggagcaccca	gattcataaa
155281	gcaagtctgt	agagacgtac	aaagagatgt	agacttccac	acaataataa	tgggagactt
155341	taacactcca	ctgtcaatat	tagacagatc	aatgacacag	aagggtcaca	aagatatcca
155401	ggacttgaat	tcagctattc	accaagtgga	cctaatagac	atctacagaa	ctctacaccc
155461	caaataca	gaatgtacat	acttctcagc	accacatcat	acttattcta	aaattgacca
155521	cataattgga	agtaaaacac	tcctcagcaa	atgtaaaaga	acagaaatca	caacaaactg
155581	tgtctcagac	tacagtgcac	acaaattaga	actctggatt	aataaactca	ctcaaaatca
155641	cacaactaca	tggaaactga	ataacctgct	cctgaatgac	tactgggtac	ataatgaaat
155701	gaaggcagaa	ataaagatgt	tctttgcaac	caataaagaac	aaagacacaa	cataccagat
155761	tctccgggac	acattttaaag	cagtggtgac	agggaaaatt	atagcactaa	atgccacaa
155821	gagaaaagcag	gaaagaacta	aaatcaacaa	cctaacatcg	caattaaaag	aactagagaa
155881	gcaagagcaa	acacattcaa	aagctagcag	aaggcaagaa	ataactaaga	tcagagacaga
155941	actgaaggag	atagagacac	aaaaagcact	tcaaaaaaat	caatgaatcc	aggagctggt
156001	ttttaaaaaag	atcaacaaaa	ttaatagacc	gctagcaaga	ataataaaga	aaagagagaa
156061	gaatcaaatt	agactcaata	aaaaaagata	aaggggatat	caccactgat	cccatagaaa
156121	tacaaactac	catcagagaa	tactataaac	acctctacat	aaataaaacta	gaaaatctag
156181	aagaaggggg	aggagccaag	atggccaaat	aggaacagct	ccagtctaca	gtcccagcg
156241	tgagtgcacac	agaagacggg	tgatttctgc	atttccatct	gaggtaccgg	gttcatctca
156301	ctagggagtg	ccagacagtg	ggcacaggtc	agtgggtgcg	cgactgtgt	gcgagccaat
156361	gcagggtgag	gcgttgcttc	actcgggatg	tgcaaggggt	cagagagttc	cctttcctag
156421	tcaaagaaaag	gggtgacaga	tggcacctgg	aaattcgggt	cactcccacc	tgaatactgc
156481	acttttccaa	cgggcttaaa	aaacggcgca	cctggagagt	atatcccgca	cctggcttgg
156541	agggtcctat	gcccacggag	tcttgctgat	tgctagcaca	gcagtctgag	atcaaactgc
156601	aaggcagcgg	cgaggctggg	ggaggggcgc	ctgccattgc	ccaggcttgc	ttaggtaaac
156661	aaagcagctg	ggaacctcaa	actgggtgga	tcccaccaca	gctcaaggag	gctgcctgc
156721	ctctgtaggc	tccacctctg	ggggcagggc	acaggcaaac	aaaaagacag	cagtaaccac
156781	tgcagactta	aatgtccctg	tctgacagct	ttgaagagag	cagtgggtct	cccagcacgc
156841	agctggagat	ctgagaacgg	gcagactgcc	tcctcaagtg	ggtccctgac	ccctgacccc
156901	cgagcagcct	aactgggagg	catccccgag	cagaggcaga	ctgacacctc	acacagccgg
156961	gtactccaac	agacctgcag	ctgagggtcc	tgtctgttag	aaggaaaact	aacaaacaga
157021	aggacatcca	cacaaaaaac	ccatctgtac	atcaccatca	tcaaagacca	aaagtagata
157081	aaaccacaaa	gatggggaaa	aaacagagca	gaaaaactag	aaactctaaa	aggcaaaagcg
157141	cctctcctcc	tccaaaaggaa	tgcagttcct	caccaggaat	ggaacaaagc	tggacggaga
157201	atgactttga	cgagctgaga	gaagaaggct	tcagatgatc	aaattactcc	gaactacggg
157261	aggacattca	aaccaaaggc	aaagaagttg	aaaacgttca	aaaaatttag	aagaatgtat
157321	aactagaata	accaataacag	agaagtgcct	aaaggagctg	atggagctga	aaaccaaggc
157381	tcgagaacta	cgtgaagact	caggagccga	tgcgatcaac	tggaaagaaag	ggatcagcg
157441	atggaagatg	aaatgaatga	aatgaagtga	gaaggaaagt	ttagagaaaa	aagaataaaa
157501	agaaatgaac	aaagcctcca	agaaatatgg	gactatgtga	aaagacccaa	tctacatctg
157561	attggcgtac	ctgaaaagtga	cggggagaa	ggaaccaagt	tggaaaacac	tctgcaggat
157621	attatccagg	agaacttccc	caatctagca	aggcaggcca	acattcagat	tcaggaaata
157681	cagagaacgc	cacaaagata	ctcctcgaga	agagcaacac	caagacacat	aattgtcaga
157741	ttcaccaaaag	ttgaaatgaa	gggaacaatg	ttaagggcag	ccagagagaa	aggtcgggtt
157801	accctcaaag	ggaagcccat	cagactaaca	gcggatctct	cggcagaaac	tctacaagcc
157861	agaagagagt	ggtggccaat	attcaacatt	cttaaggaaa	agaattttca	aaccagaatt
157921	tcatatacag	ccaaactaag	cttcataagt	gaaggagaaa	taaaatcctt	tacagacaag
157981	caaattgctga	gaaattttgt	caccaccagg	cctgccctaa	aagagctcct	gaagggaagt
158041	ctaaacatgg	aaaggaacaa	ccggtaccag	ccgctgcaaa	atcatgccaa	aatgtaaaga
158101	ccatcgaggc	taggaagaaa	ctgcatcaac	taacgagcaa	aacaacctgc	taacatcata
158161	atgacaggat	caaattcaca	cataacaata	ttaactttac	atgtaaatgg	actaaatgct
158221	gcaattaaaa	gacacagact	ggcaaattgc	ataaagattc	aagacccatc	agtgtgctgt
158281	attcaggaaa	cccatctcac	gggcagagac	acacataggc	tcaaaataaa	gggatggagg
158341	aagacctacc	aagcaaatgg	aaaacaaaaa	aaaggcaggg	gttgcaatcc	tagtctctga

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# FIGURE 2 (cont.'d)

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158401 taaaacagac tttaaaccaa cacagatcaa aagagacaaa gaaggccatt acttaatggt
158461 aaagggatca attcaacaag aagagctaac aatcctaata atatatgcac ccaatacagg
158521 agcaccacaga ttcataaagc aagtcctgag tgacctacaa agagacttag actaccacac
158581 attaataatg ggaaacttta acaccccact gtcaacatta gacagatcaa caagacagaa
158641 agtcaacaag gataccagg aattgaactc agctctgcac caagcagacc taatagacat
158701 ctacagaact ctccacccca aatcaacaga atatacattt ttttcagcac cacaccatac
158761 ctattttcaaa attgaccaca tacttggaag taaagctctc ctcgacaaat gtaaaagaac
158821 agaaattata acaaactgtc tctctaacca cagtgcatac aaactacaac tcaggatgaa
158881 gaaactcact caaaactgct caactacatg gaaactgaac aacctgctcc tgaatgacta
158941 ctgggtacac aacgaaatga aggcagaaat aaagatgttc tttgaaacca atgagaacaa
159001 agacacaaca taccagaaat tctgggatgc attcaaagca gtgtgtagag ggaaatttgt
159061 agcactaaat gccacacaaga gaaagcagga aagatccaaa attgacaccc taacatcaca
159121 attaaaagaa ctagaaaagc aagagcaaac acattcaaaa gctagcagaa ggcaagaaat
159181 aactaaaatc agagcagaac tgaaggaaac agagacaaaa aaaacccttc aaaaaattaat
159241 gaatccagga gctggttttt tgaaaggatc aacaaaattg atagaccgct agcaagaata
159301 ataaagaaaa aaagagagaa gaatcaaata gatgcaataa aaaatgataa aggggatatc
159361 accaccgatc ccacagaaat aaaaactatc atcagagaat actacaaaca cctctatgca
159421 aataaactag aaaaactaga agaaatggat aaattcctcg acacatacac tctcccaaga
159481 ctaaacaggg aagaagttga atctctgaat agaccaataa caggagctga aattgtggca
159541 ataatcaata gcttaccaac caaaaagagt ccaggaccag atggattcac agccgaattt
159601 taccagaggt acaaggagga actggtacca ttccttctga aactattcca atcaatagaa
159661 aaagagggaa tcctccctaa ctcatTTTTat gaggccagca tcatcctgat accaaagccg
159721 ggcagagaca aaaccaaaaa agaggatttt agaccaatat ccttgaggaa cattgatgcc
159781 aaaatcctca ataaaatact ggcaaaccac atccagcagc acatcaaaaa gcttatccac
159841 catgatcaag taggcttcat ccctaggatg caaggcttgt tcaacatatg caaatcaata
159901 aatgtaatcc agcatataaa cagaacccaa gacaaaaacc acatgattat ctcaatagat
159961 gcagaaaagg cctttgacaa aattcaacaa cacttcatgt taaaaactct caataaatta
160021 ggtattgctg ggacgtatct caaaaataata agagctatct atgtcaaacc cacagccaat
160081 atcatactga atgggcaaaa actggaagca ttcccttga aaattggcac aagacagggg
160141 tgccctctct caccactcct attcaacata gtgctggaag atctgtccag ggcaatcagg
160201 caggagaagg aaataaaggg tattcaatta ggaaaagagg aagtcaaat gtccctgttt
160261 gcagatgaca tgattttata tctagaaaac cccattgtct cagcccaaaa cctcctaag
160321 ctgataagca acttcagcaa agtctcagga tacaaaatca atgtacaaaa atcacaagca
160381 ttcttataca ccaacaacag acaaacagag agccaaatca tgagtgaact cccattcaca
160441 attgcttcaa agagaataaa atacctagga atccacctta caagggatgt gaagcacctc
160501 ttcaaggaga actacaaacc actgctcaac gaaataaaaag aggatacaaa caaatggaag
160561 aacattccat gctcatgggt aggaagaatc aatattgtga aaatggccat actgccaag
160621 gtaatttaca gattcaatgc catccccatc aagctaccaa ttactttctt cacataattg
160681 gaaaaaacta ctttaaagtt catatggaac caaaaaagag cccgcatcac caagtcaatc
160741 ctgagccaaa agaacaaggc tggaggcatc acactacctg acttcaagct atactacaag
160801 gctacagtaa ccaaaacagc ttggtactgt taccaaaaca gagatataga tcaatggaac
160861 agaacagagc cctcagaaat aatgctgcat atcgacaact gtctgatctt tgacaaacct
160921 gagaaaaaca agaaatgggg aaaggattcc ctatttaata aatggtgctg ggaaaactgg
160981 ctagccatat gtagaaagat gaaactggat cccttcctta caccttatac aaaaaattaat
161041 tcaagatgga ttaaagactt aaatgtcaga cctaaaacca taaaaaccct agaagaaaaa
161101 ctaggcatta ccattcagga cataggcatg ggcaaggact tcatgtctaa aacaccaaaa
161161 gcaatggcaa caaaagccaa aattgacaaa tgggatctaa ttaactaaa gagcttctgc
161221 acagcaaaag aaactaccat cagagtgaat aggcaccta cagaatggga gaaaattttt
161281 gcaatctact catctgacaa agggctaata ttcagaatct acaaaagact taaacaaatg
161341 ttcaagaaaa aaacaacccc atcaaaaagt gggcaaaaata catgaaaaga cacttctcaa
161401 aagaagacat ttatgcagcc aacagacaca tgaaaaaatg ctcatcatca ctggccatca
161461 gagaaatgca aatcaaaacc acaatgagat accatctcac accagttaga atgacgatca
161521 ttaaagtcag gaaacaacag atgctggaga ggacatggag aaataggaat gcttttacac
161581 tggttggtgg ggtgtaaatt agttcaatca ttgttgaaga cagtgtggca attcctcaag
161641 gatctagaac tagaaatacc atttgaccca gcaatcccat tactgggtat ataccgaaaa

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FIGURE 2 (cont.'d)

161701	gattacaaat	ggtgcaacta	taaagacaca	tgcacacgaa	tgtttattgt	ggcactattc
161761	acaatagcaa	agacttctaa	caaaccaga	tgtccatcaa	tgatagactg	gattaagaaa
161821	atgtggcaca	tatacaccat	ggaatactat	gcagccataa	aaaaggatga	gttcatgtcc
161881	ttttcagggg	catggatgaa	gctggaaacc	atcatttctca	gcaaactatg	acaaggacag
161941	aaaaccaaac	accgcatgtt	ctcactcata	gatgggaact	gaacaatgag	aacacttgga
162001	cacagggcag	ggaacatcac	acaccagggc	ctgttggggg	gtggtggact	gggggagaga
162061	tagcattagg	agaaatacct	aatgtaaattg	atgagttgat	ggatgcagca	aaccaacagg
162121	gcacatctat	acctatgtaa	gaaacctgca	ctttgtgcac	aggtacccta	gaacttgaag
162181	tataataaaa	atgaaaaaaa	gaaaatgtta	ctagcaaatt	gtagatgggt	atacctaata
162241	taactctgca	tgtgcactat	gtgtctggat	acacatggaa	agtattcagg	catacacacc
162301	aaattgttaa	aataaatccc	cttccaacat	taggagtggt	tggggagcag	atggctttca
162361	cttccgcaca	ttccatggtg	ccagggtaat	accacatcac	aatagtaaat	agcaaaaata
162421	acaaccttaa	gttttagattt	tcttatctaa	attttaattc	tgtgaagaag	tttccatttc
162481	cctttttcac	acaggatagt	agaatgcagt	ttagaaagag	tgagatcact	tgtagactg
162541	tacaattttt	aagcatcagc	gaagtatacc	attaaacttc	tctatcaatc	catttcttaa
162601	acttcccaac	ccaaaaaaa	agaaacacat	aaaattgaaa	tgaagaaaaac	aatacaaaaag
162661	atcaacaaaa	atgaaaggtt	ggctttttaa	agagataaac	aaaattgaca	aatgtttagc
162721	cagactaaga	aaaagagaag	gcccaataa	ataaaatcag	agatgaaaaa	gcagacatta
162781	taactgatac	tgcggaatt	caaaggatca	ttaatggcta	ctatgagcaa	ctgtatgcca
162841	aacattggaa	aatattgaag	aaatagataa	attcgtagac	acacgcaacc	taacaagatt
162901	caaccatgaa	gaaattcaaa	atctgaacag	accaaaaaca	agtaacaaga	tcaaagccat
162961	aattaaaatt	ttcccagcaa	agaaaagcct	gagacccaat	ggcttccactg	ctgaattcta
163021	tcaaacattt	aaagaactaa	taccaatcct	actcaaaacta	ttccaaaaaag	tagaagagga
163081	gggaatatatt	ccaaactttat	tctatgaggc	cattactgct	cctatatcaa	aaccaaggac
163141	acatcaaaaa	aagaaaacta	taggccataa	tctcacatga	atattgatga	atcctcaaaa
163201	aatgctagca	aactgaattc	aacatcacat	taaaaatcat	tcattatgac	caaattggat
163261	ttatcccagg	gatgcaaata	tggttcaaca	tatacacatc	agtcagtgtg	acatatcata
163321	tcaacagaat	gaagaagaaa	aaccatatgg	tcatgttaat	tgatgctgaa	aaagtatttg
163381	agagaattaa	acatctcttc	atgacaaaaa	ccctcaaaaa	cactggagac	agaaggaaaca
163441	tacctcaaca	caataaacag	acatatatga	cagactcaca	gctagaatca	tactaaatgg
163501	ggagaaactg	aaagtcattc	ctctaagatc	tggaaacaaga	caaggatgct	cattttcacc
163561	agtgttagtg	gaacatagta	ctgaaagtc	tagctagaac	agactagagc	cagaaataag
163621	gggcatccaa	actgggaaga	gagaagctca	attacctttg	ttcgcatag	gtatgatctt
163681	ctgtttggaa	aaacctagac	tccataaaaa	aatgattaga	actgataaat	tcagtaaagt
163741	ttcaggatac	aaaatttaaca	tacaaaaatc	agtagcattt	ctatatgtca	atagcaaaaca
163801	atctgaaaat	gaaatcaagg	aagtaatccc	atttcccatt	tgcaatagct	ataaataaaa
163861	ttaatataat	ctcatctctt	caataagtgg	tgttgggaaa	actgcatatc	cacatacaaa
163921	agaataaaa	tagacccttt	taatatacaa	aactggaccc	aagttaatat	acaaaaatta
163981	acttgaaatg	aattaaagac	ttaaattgtaa	gatctgaaac	caaaaactcc	tagagagaaa
164041	cataggggaa	aagctccttg	acgttggcct	tggcaataat	tttttgggat	attacaccaa
164101	aagcacagac	ttttgaaaaa	ataaacaagt	aggactacat	caaaactaaa	agcttctgca
164161	tggcaaaaga	aagtcaacaa	catgaaaagg	caacctacag	aatggaggga	aatatttgca
164221	aaccatatac	ctgatgagaa	gttaatatca	aaatatagaa	aatatataag	gaactcacat
164281	atctcaatac	caaaaaaata	ataacctgtt	ttataatggg	caaaggacct	gaatagacat
164341	tttttcaaag	aagacacaca	gatggccaac	gagtgcagga	aaaagcgttc	aacatcacta
164401	atcatcaggg	aaatgcaa	caaaaaccaca	atgagatatc	actccacacc	tgttaggaaa
164461	gctattatga	aaaacacaag	agacaattgaa	tattggcaag	ggcatggaga	aaaaagaacc
164521	cttgtagact	gttggtagaa	atgtaaattg	caacagcctt	tatggaaaat	agaatggagg
164581	ttcctcaaaa	aataaaaaata	gaactacat	acaatctagc	aattccactt	atgagtgtac
164641	atccaaagga	atcaaatcac	tatgtcaaag	agatatctgt	acttccctgt	ttattgcagc
164701	tttactcaca	gtagccaaga	taaggaaaaa	atctaaatgt	ccatcaacgg	ataaagaaaa
164761	tgggggggag	ggtgtgcatg	tatacataca	caatggacta	tttttcagcc	ataacaaaga
164821	aggaaaccct	gccatttgtg	acgatatgaa	tgaaccacaga	ggacattatg	ttaagtgaag
164881	taagccagac	acagaaatac	aaatattgta	tgatctcatt	tatatgcgaa	tctaaaaatt
164941	tcaaacttga	agacgaataa	gtagaacagt	atttatcagg	agctagggga	tgtgggggaag

# FIGURE 2 (cont.'d)

165001	aagcaaaata	ttggggcaaag	agtataaaact	ttcagttatg	agatgaaggc	caggtgcgat
165061	ggctcatggt	ggtaatccca	atacttttga	aggctgaggc	agaggggattg	cttgagacca
165121	gcctaggcaa	gaaagtgaga	cctcatctct	acaaaaaata	aaaataaaaag	aatcagctgg
165181	gagtgggtggc	atacacctgt	agtcccagct	agtcaggagg	ctgagggggg	aggatcattt
165241	gaaattggaa	agtcaaggct	gcagtcagcc	aagatagtgc	caactgcattg	cagcctgggt
165301	gacagagcga	aaccctgtct	caaaaaaaa	aaaaaaaata	agatgaataa	gttctgggga
165361	tcaaagtgtac	agcatgggtga	ctatagttta	taactgcgtt	attacttgaa	attggataag
165421	agcagatttt	aagcatcccc	agcaccctcc	caacatacac	acacacaaat	ggtaactata
165481	ggtgggtgata	gatatgttaa	tttgactgtg	acaatcagca	ttcaatatat	acatatatca
165541	aatcatcaca	ttttaccctt	tgaaatagaa	actttgattt	gtcaatcaaa	tattttaaaa
165601	cgaaaataat	cataatatta	atatagcata	caggaaaaaa	tttcgtatct	cgactgatac
165661	agaaaatttc	atgataaaaa	cacttttaaa	caaaagaaat	aaaaggggaa	tccctcaacc
165721	tgataaatgg	catctgtgga	aacccccagc	tagcatcaaa	cttaatacac	aaaggctggg
165781	tgttcacctc	ttgaaccagg	aacaagacaa	agatgcctgc	ttttgccact	tccatttgac
165841	cttgtactga	ggttctggct	agggaatta	tccctgaaaa	agaaataaaa	ggcttccaaa
165901	taaaagaaga	agtaaaaacta	tctctactcg	ctcatgacat	gatcttgcat	atagaaaatg
165961	tgcacatgta	cacacacaca	aaccattaga	actaataaac	aagttcagca	agtttgagca
166021	atataaaatg	aatgtacaaa	aatcaagtgt	ttttctatat	actagcaatt	aacaatctca
166081	aaatgaatta	aaattccatt	tacaatagta	tcaaacataa	attatttaga	aataaaaagt
166141	gcactgaaaa	ctacaaaata	ttttgaaata	aatcagaaaa	gatttaagta	aatggatcac
166201	ttgaacctgg	gaagcagagg	ttgcagtgtg	ccgagattgt	accactgcac	tttagcctgg
166261	gcaacagagg	gagactccaa	agagtcgaaa	agaaaagaaa	agattttaaat	aagctgaaac
166321	atattctatg	gatcagaaga	cttaatatgt	ttaaagtgc	aatattcccc	aaattgatct
166381	acagcttcaa	ctcaaccctt	atcaaaatcc	tagcttgctt	tttggtgaa	attgacagc
166441	tgattctata	atttatatgg	aatctcaaag	gatccagaat	aaccaaaca	atatgaaaa
166501	ataaagaaca	gcgttggtgg	attaacattt	tccaatttca	aaacttacta	tagcactgcg
166561	gtaatcaagc	agtgtggcac	tgtatagcat	gtacattaca	gatcagtggg	ctagaatcaa
166621	tgtccagaaa	taaaccgtta	tgtttataat	gaattacttt	ttaataaggt	gtcaagacaa
166681	cgcaatggga	aaagaataat	gaattcaaca	aatgatgcat	ggacaaccgg	acatgcacat
166741	gcaacacaat	gaatttgaat	tcttctatcg	ctccatgcat	aaaaactaac	tcaaaatggg
166801	tcacggatgt	aaatgaaaag	ctaaaactat	aataatccta	gaggaaaacc	taggagtaaa
166861	tctttaagat	gttattgtag	gcagtgggtt	ctcagatagg	accccaaat	cacaagcgac
166921	aaaagaaatt	ggacttaag	ttaaataact	ttgtgcttca	aacatcatca	agaaagttaa
166981	aacacaaccc	gcagaagcaa	taaaaatgtc	tgtaagtcat	gtatccgatt	agagacttct
167041	atccaggata	tataaataat	gcaattcaat	gataaaaaag	ataaatagcc	cagttttcca
167101	aagagtcaag	catctgaata	tacatctctc	caaaaatata	cagatatcca	acaagcatgt
167161	gaaaagatgt	tcaaagccat	ttgccagggtg	cacaaaccca	agacagtatg	aggagatgct
167221	acagggactc	tgctgcttca	cagacatgaa	gcgttggtga	gaatgtaggc	agccgccttt
167281	ggggacttca	catccccgcc	gccccacgca	cggtgagcta	gtgtttaaac	ttagccgaga
167341	tcaatacacg	cgactgtgtg	cccgtcagac	cctgcgctgc	cggcggggct	gggagaggcg
167401	ggcgccagga	gtgggcggga	acctgggggt	caggccccag	ccgcgggaag	ccgcccagga
167461	gcgcgcgaaa	ccttctccac	acccttccag	gcatttgccc	gccgcgattc	agagagccga
167521	cccgtgaccc	ctggcctccc	ctagacagcc	ccgcagtgtc	agatgtgccg	tcccgcctgc
167581	ctcccgcgac	caactggccat	ctctgggcct	gggcgcggtc	tcggcgcccc	cctgcccccg
167641	ccaggagccg	caggtccagc	cagtgaagaa	gcccgcgctg	aaggagcctc	tgtgctccag
167701	aatccatcct	cagtatcagc	gctgggggtg	cctcctccag	gaagcccttc	tgattctctc
167761	atgggtcgct	cttccctctg	agaactcccg	agcacccttg	ctccaagtac	cgcaagtggc
167821	actgagaact	tggggagagc	agaggctgtg	cctagatttg	tagggagtcc	ccgcagctcc
167881	acccagggc	ctacaggagc	ctggccttga	gcgaagccga	ggcaggcagg	cagggcaaaag
167941	ggtggaagca	attcaggaga	gaacgagtg	acgaatggat	gaggggtggc	agccgaggtt
168001	gccccagtc	cctggctgca	ggaacagaca	cctcgctgag	gagagaccca	ggagcagggc
168061	ccctgccccg	cccagggcga	ggtcccgcgc	agtcggcgcc	gcgtgaagag	tgggagagaa
168121	tactgcgggg	gcggggggcg	ggggcggggg	ggggcggggg	gccgccggga	gcctggagcc
168181	agaccggggc	gggcccggac	cgggcccagg	acagtggggg	aggaggctgc	gggctgagcg
168241	accctgaccc	ccccagtc	gcgctgggtc	cgg		

# FIGURE 3

```

1      gggcgccgag gctccccgcc gctcgtgct ccccgccccg cgccatgccc tcttacacgg
61     tcaccgtggc cactggcagc cagtgggtcg ccggcactga cgactacatc tacctcagcc
121    tcgtgggctc ggcgggctgc agcgagaagc acctgctgga caagcccttc tacaacgact
181    tcgagcgtgg cgcggtggat tcatacgacg tgactgtgga cgaggaactg ggcgagatcc
241    agctggtcag aatcgagaag cgcaagtact ggctgaatga cgactggtac ctgaagtaca
301    tcacgctgaa gacgccccac ggggactaca tcgagttccc ctgctaccgc tggatcaccg
361    gcgatgtcga ggttgtcctg agggatggac gcgcaaagtt ggcccagatg gaccaaattc
421    acattctcaa gcaacaccga cgtaaagaac tggaaacacg gcaaaaacaa tatcgatgga
481    tggagtggaa ccctggcttc cccttgagca tcgatgccaa atgccacaag gatttaccct
541    gtgatatcca gtttgatagt gaaaaaggag tggactttgt tctgaattac tccaaagcga
601    tggagaacct gttcatcaac cgcttcatgc acatgttcca gtcttcttgg aatgacttcg
661    ccgactttga gaaaatcttt gtcaagatca gcaacactat ttctgagcgg gtcatgaatc
721    actggcagga agacctgatg tttggctacc agttcctgaa tggctgcaac cctgtgttga
781    tccggcgctg cacagagctg cccgagaagc tcccggtgac cacggagatg gtagagtgca
841    gcctggagcg gcagctcagc ttggagcagg aggtccagca agggaacatt ttcacgtgg
901    actttgagct gctggatggc atcgatgcca acaaaacaga ccctgcaca tccagttcc
961    atggcgctcc catctgtttg ctgtataaga acctggccaa caagattgtc cccattgcc
1021   tccagctcaa ccaaatcccg ggagatgaga accctatttt cctcccttcg gatgcaaaat
1081   acgactggct tttggccaaa atctgggtgc gttccagtga cttccacgtc caccagacca
1141   tcacccacct tctgcgaaca catctggtgt ctgaggtttt tggcattgca atgtaccgcc
1201   agctgcctgc tgtgcacccc attttcaagc tgctgggtgg acacgtgaga ttcaccattg
1261   caatcaacac caaggcccgt gagcagctca tctgcgagtg tggcctcttt gacaaggcca
1321   acgccacagg gggcggtggg cacgtgcaga tgggtgcagag ggccatgaag gacctgacct
1381   atgcctccct gtgctttccc gaggccatca agggccgggg catggagagc aaagaagaca
1441   tcccctacta cttctaccgg gacgacgggc tccctggtgtg ggaagccatc aggacgttca
1501   cggccgaggt ggtagacatc tactacgagg gcgaccaggt ggtggaggag gaccgggagc
1561   tgcaggactt cgtgaacgat gtctacgtgt acggcatgcg gggccgcaag tctcaggct
1621   tccccaaagt ggtcaagagc cgggagcagc tgctcgagta cctgaccgtg gtgatcttca
1681   ccgcctccgc ccagcacgcc gcggtcaact tcggccagta cgactggtgc tcttgatcc
1741   ccaatgcgcc cccaaccatg cgagccccgc caccgactgc caagggcgtg gtgaccattg
1801   agcagatcgt ggacacgctg cccgaccgcg gccgctcctg ctggcatctg ggtgcagtgt
1861   gggcgctgag ccagttccag gaaaacgagc tgttccctgg catgtacca gaagagcatt
1921   ttatcgagaa gcctgtgaag gaagccatgg cccgattccg caagaacctc gaggccattg
1981   tcagcgtgat tgctgagcgc aacaagaaga agcagctgcc atattactac ttgtccccag
2041   accggattcc gaacagtgtg gccatctgag cactactgcca gtctcactgt gggaaggcca
2101   gctgccccag ccagatggac tccagcctgc ctggcaggct gtctggccag gcctcttggc
2161   agtcacatct cttcctccga ggccagtacc tttccattta ttctttgatc ttcagggaac
2221   tgcatagatt gtatcaaagt gtaaacacca tagggacca ttctacacag agcaggactg
2281   cacaggcgtc ctgtccacac ccagctcagc atttccacac caagcagcaa cagcaaatca
2341   cgaccactga tagatgtcta ttcttgttgg agacatggga tgattatttt ctgttctatt
2401   tgtgcttagt ccaattcctt gcacatagta ggtacccaat tcaattacta ttgaatgaat
2461   taagaattgg ttgccataaa aataaatcag ttcattt

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10071411.020702

# FIGURE 4

```

1  ttgcacgctn ctcagccccg gctgtactat tgggtctacac gtgccatcgt ggtttgctgc
61  acccatcaac ccatcatcta cattaggtat ttctcctaata gctctctttc cccttgcccc
121 ccacctcta acacgccctg ttgtgtgatg ttgacctccc tgtgtacatg tgttgtcatt
181 gtacaactcc tgcttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc
241 tgagaatgat ggttcccatc ttcactcttg tacctgcaaa ggacatgaac tcatccttta
301 atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca
361 ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca
421 tacgagtgca tgtgtcttta tggatgaatg attgataatc ctttgggcat ataccacta
481 atgggattgc tggacctaat ggtttgcctg gatcctgatc cttgaggaat caccacactc
541 tcttacagtg taaaagtgtc tctatatata ctcatccctc ccagcatctg ttatttactg
601 actctttaat catcaacctt cttactggag agagaagggt taattaccac taatgacgag
661 cctttaatca aattgttgtt ggaccttccc caacttactt gcgaaggggt catttgtaaa
721 cttacgccac cttttgatgg ggcagttttt ctctgtttatc cgcaaagatc ctgggggacc
781 ccttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagaggt
841 ggcggtttac aaccttgtaa agtttctttt tttttttggg gcccttagt ttcacaaaaa
901 tcccttcgga ccaatttgcc ttttgttgcc aaggaatttt tccccctaag tcactaggaa
961 tttttccag ggcacacagg tgtagtggcc tttcccagaa tttttctctt gggtatccaa
1021 tgttataaga aaaaaaattg gggaattttt ttaaaccctc aataaaattt tttatagaga
1081 taaggccggt ttcatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1141 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncgc
1201 ggtcttcagc cctgtgtgaa gactgattaa cagtcataag aaggtaaagc tctaagtac
1261 ctgtaagaaa catacagtct cacacaatta ggcaaggagt ccaacttgga agaaagagtg
1321 gcatagattc aaacctgat gccacaactt atgttaacct tctgaggct caacttctca
1381 cacatgacag gagaatctca tcatgtacct caattaattg atatacagat tatggtaaac
1441 attcaatgaa aaagtatgta aagtttctat cacttacta cagttgggtat tcaacaaatg
1501 ccactttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtgcaa
1561 ttcaacaaat ataatttgag cactgattac tcaataagca ttatgaggaa ctaaaatatt
1621 atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc
1681 ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaaagtag
1741 aaatttacag aaagatacct ggcaaacac ccaaatagtt tgaagttaaa aaatatacct
1801 ctgaataaca ccccatggaa atttttaaag attataatgt gaattaaaat gaaaacatat
1861 aaccataaca aaaattgtag gatacaggaa aactggtgct catatagcat taactgttta
1921 cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaaactat
1981 gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga
2041 caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaaa agtagtttct
2101 tggaaaagat caataaataa aattggttga tataatttac tgatattagg agtgggaaag
2161 ataactactg atcatagatc catgatgaac aagcttattt caataaatta ataaactcag
2221 caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaaag tcaaaaaaag
2281 agaactctaa tagtcctata tttatgaaaa aaaaaaacia aactgaattt gtatttaaaa
2341 actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt tcccattta
2401 gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta
2461 caacacgttc tgcaagggtc gtattacctt gataccaaaa caaaggatat tacataaaaa
2521 cgacaccaat atccttcatg aacatagatt cttcaccacg gggctggaag gatccgnnnn
2581 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
2641 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag cacgcccttg agccctggt
2701 gaataataaga gattaggcta cagcgtgttc tactccaact ttatttgctt tctgagcatc
2761 taattccact ttgcaaaatg gacatttttt ttcctctctg agagtcagga aattaccagg
2821 tgtgccagga taactcttag tatcaactgt aaaaatacag tataaaataa tgagtaagca
2881 tatttcagtg ggtgtttata tgcttttgggt tgcatagcac gagccaaagg cagataaaaa
2941 atgtgggctc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata
3001 tttctatatt ggcatacaaa aataatccac ttgtcatagg ataattgctc tagatgaggg
3061 catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcataccgac
3121 cacaggcccc aatcattgtc tatcaaaaaa catgcttgtg tctcttttgg cttactatga
3181 aaggaagcaa gatcttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct
3241 agacactgng gatcaaattc tgtgaggtta aaaatacccc ataactcact ggatagaaat

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FIGURE 4 (cont.'d)

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3301 tcaaaatgct cgctatgttg attctatgat caacttccaa ggggaccttt ntacctccta
3361 tcttcatcag caagcaacta cattgatttt gtagccagg atctattccc acgtcaaccg
3421 tgggtttcaa atgtttgtct tagctcaatg gcctcttaag ccactaacc ccaatgttgc
3481 tttttaccag taaaaaagtg catctgggga ataagttggt gtatatttgt gggtcagcca
3541 gcccatagat cgtccagagg acccaggct taggaggaat cctcagattt gagagccact
3601 gtcctgtatg atgcagatag cacagctctt cctgaaaata ggaattcaaa tgaggaaaaa
3661 tgaaaactct cctaattatt ttcttctgcc tctttcattc caagctcatc taattatcat
3721 gctctattgt gaagaatcaa agaaagaact cataaatata ccttttgtgc ctgtattttg
3781 aatgtacggt gtgcatgtaa gcctttgtgg ttaagcaaat gtcaagaaaa tccctagtc
3841 cattgcttac agtcaatatg gggcaattca agcaaagtat atgcctctaa tatggtttga
3901 aaattctgaa agttcagaaa aaatgttgct acttcagcca tctgatgtta ctggatattg
3961 agaatgagac ctctctctcc tctgtttccc tcatttccat ctctctctcc ctctttctcc
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4381 attttatgta aaaaaaagct tagccctttg gtgacgggga ttctttttct ggatgatctg
4441 ccaaagaatc aagaccacaac gtccagctta tcaaattttc tctggacctt tannnnnnnn
4501 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
4561 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncctgtggg aagacttcca cgtgaacttt
4621 aaagtagttt ttccaattc tgtgaagaat gtcattggta gcttgatggg gatggcactg
4681 aagattttct tcatttttat gactgcatag cattccatgg agtatatgta ccacattttc
4741 tttatccaat tcactgttgg tgggcacctt ggtcaattcc atgactttgc tgttgtgaat
4801 agtactgcaa tgaacatgtg agtgcattgt cctttttgga ggaataattt gttctctttt
4861 ggatatatac ccagtaatgg ggttgctggg ccaaattgga gttctgtttt aagttctttg
4921 agaaatctcc aaactgcttt ccacagaggc tgaactaatt gacattccca ctgccatgca
4981 tgagcattcc cttttctcct cagctccacc aacatctgtt gctttctgac tttttgataa
5041 tagccattct gatgtgtgag atggtagccc attgggggtt cttttttttt ttttaagaca
5101 gagtctcact ctgtcaccta ggctgtggca caatgttggc tcgctgcaac ctctgcctcc
5161 tgggttcaag tgattctcct acctcagcct actgagaagc tagggttaca ggcacctgcc
5221 accacaccca gctaattttg gtatttttgg tagagacagg gtttagccat attggcaagg
5281 ctggtctcta actctgacc tcaggtgacc cacctgcctc ggcttcccaa agtgcgtggg
5341 ttgcatgcgt tagctaccat ggggtggttt tgacttgcac ttctctgatg attagtaatg
5401 atgactcttt ttcatatat ttgttgacca cttgtatgtc ttcttttgag aagtgtctgt
5461 tcatatcttt tgccatttt tcaatggggt tgttttttcc ttgtccagtt gtttaagtta
5521 tttatagatt ctggatatta gtcccttgtt ggggtgcataa tttgcaaata ttttatctca
5581 ttctgtaggt tatctattta atctgttgat agtgtctttt cttgtacaga agttgttcag
5641 ttttaattag tctcacttgt caatttctgt tttgttgta attgcttttg aggacttaat
5701 cataaattct ttcccaaggc ccatgtccag aatgggtgtt ctgagatttt ctctaggat
5761 tcttttactt caaggcttta tatttaaata tttaatccat ctggagttaa tttttgtatg
5821 tggcaaaagt taggtgtctt gttttatttt tctgcatatg gctagtcatc tatcccagga
5881 ccattcattc actagggagt cctttcccca ttgtttactt ttggcaactt tgtcaaagat
5941 tagatggctg taagtgtgca gatttatttc tcagctctct attctgttca actggtgtag
6001 gtatctgttt tcgtactagc accatgctgt tttggttact gtagtcttat tagtatagtt
6061 tgaagccagg taatgtgatg cctctggctt tgttcttttt gcttaggatt gctttttggg
6121 ctctctgttg ttgttgttcc atatgaattt taggacactt ttttccaaat ctataaaaaa
6181 atgacattgg tagtttggtg ataataagcat tgaatctgta gatagattgc tttgggcagt
6241 atggccattt taatgatatt gattcttcca atccctgagc atggaatgtt tttccattta
6301 tttgtgtcct ctctgatttc ttttagcagc gttttatagt tctccttgta gagatctttc
6361 acctccttgg ttagctgttt tcttaggtat ttttaatttt tgggcctttg taagtgggat
6421 tgcaagcttg aattggttct tagcctgaat gttattgggt tatagaaata ctactaattt
6481 ttgccatcca ttttgtatcc tgaaacgtcc ctgagtcatt tgtaatttcc cagaggcttt
6541 gtggagtctt taggttttct atttttagaa tctattcttc ccaaagagaa atactttccc

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FIGURE 4 (cont.'d)

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6601 ctctcttttc ctaatcggac ccctttatatt attcctttgc ccaaggcttg gaaagccctt
6661 ccatactttt ttaaaaagaa cgtggaaaaa ggcccccttc ttattctcgt ttaaaggaac
6721 cttccatttt cgctgtcaaa tggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
6781 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
6841 nnntttgttg ggaatatccg gtgcttattc ctcttcagga gtttttattc tccaaaaatg
6901 cagctttttca ttctctctcg tttttctttc tgtgccaaat gcctccagcc tttccatggt
6961 ggtgcggtaa gctagacatt tttagtttgt agtgatttgt ttcgtttgtg tttgtatggt
7021 tttgtgcccc tagtcacttc tgtaatgttc gtttctgagt ttcctttggg gggattaacc
7081 tgccactgaa gtgtcagctt ccctgtcatg ggactgtcct tggaaatgaca ggttttcctt
7141 ccaccatagg atctgccact gtgaaggaga tgatgagagc ccctgatca cccctgcc
7201 ctgcacagga agcctccact tcgtgcacca ggctgacctg cagcagtgga tcaagagctc
7261 cgacacgcgc tgctgcgagc tctgcaagta tgagttcatc atggagacca agctgaagcc
7321 actgagaaaa gtacgtggga ggaagggatg cttcacccct cctgaaacca gtgaccccca
7381 gaaagctggt gtctcagatc atgaggtcat ggcttgacct cgttcatttc cttaaaaagc
7441 tggggctggt gcttacattt gcattgtaga gattgttgtt tctggtgctg attttcaagt
7501 ccctcttctc aggaagaagc tctttctgac cattcataat ccttcttttc ccttcaaagt
7561 aagactgctt gcttgtcggg gtcagtcctc tggcctttga ctacagactg tttgtgacat
7621 atcttagcac ctaattttat acatattaac tgttgacctc ctgcttctct gattaggact
7681 gtctgttgga gattagtatc tccccagcac ccagcacagt gtagcataca gtaaatatat
7741 ttgtatacac ccatgataac tatttctggg atgggagtgt gagtaggtgg atagggaaaa
7801 gaaaggaagc acaaacggtt cgtgatgtgc aactgtcttc agaaaggacc cacaggcatt
7861 gcatgacacg cagctgtctg gaggcccatg tcaactgctc ctctgagagg agctttgtcc
7921 gccacactgg ctctctgttt aaattttgac tgtttcatat atctctctag atgccagca
7981 caaaagggtt tgtctggaag aataaaaaac tgttcctatc tcagaacatt aatatataaa
8041 ttgcaagata agtcacataa tcaaatacta gccaatataa tgctaaatgg tgtgctggtg
8101 gagcataaca gtcattcaga aaaggaaatg ctcatatga gctagagtgc tggggaagtg
8161 gagcgatggt agctcatag ggtgtttggg ttttagagca gttcttgaag gatcactagg
8221 atttggaggc agagtgcagg gagtttagag aggtcaggct gtctgtggag taaagcatac
8281 cctagaaagg tgaaggtgaa cattgacagg gtgtcaagct acgtgcgttg taggaagtag
8341 cagggagcat ggggcactga ggcactgact ctgtattata ggtaggaaga ccagggaaact
8401 tgctagtgtg taaaatccca gcagaaaaca accagattta gagaaggctt gtgcaaaactg
8461 cttaaaaaaa tgttttgccc agtagaaacc ttgtaattta ttgggtgcct actctatgct
8521 aatctctcaa catgggaagt ccttgaggct ctattttcaa ctaccctgca tagactcatc
8581 tggaaagagg ctgtgactag ggttggcataa ggatatgtgc agagtgttta cacattgttc
8641 tttctctcta cctttatgtg ttttctcctg attcggaaac cagtaaatga aaaagaaagt
8701 ctggctattt ggagtaaatt aatgagctcc tagaggagat gggactagca gagtctgctt
8761 gtaccaggaa ctcttagcgt cgatttcgag ctgttgctgc caaagtagca aggaccaaag
8821 agtgagcgtc ttctgccatt caccttcaca atgtagtgtg acccatctgc tagtgtgttg
8881 tggcatcatc aacctctctc ttccgctcgt ccattgccagt cagcacatca gggagactta
8941 aaacgtagta cctgggtcct gggccaacat actgttttca ttaggactga aatcatagaa
9001 ttctttatca ggccatctta tgtctgttg caagaataag cagacaaggg gatttttgat
9061 ggtagttctg cattcatctt gatcctggct tcttttcatt gcatagaaag ttggctgcac
9121 ctggtacctg gttgaagcca agtggtttta ggagaacaat acttggggga atgcatctag
9181 tttgggaagg gagaagtggg gtggaaagcc aatcttacct acctacaatg ctctacccc
9241 accggagccc tccccagaa gcctgagcct cacactctgt gttgtctttc tagtgggaga
9301 agttgcagat gacgtccagc gagcgcagga agatcatgtg ctcagtgaca ttccacgtca
9361 ttgccatcac atgtgtggtc tggctcctgt atgtgctcat tgacctact gctgaggaga
9421 tcaagcaggg gcaggcaaca ggtgatttct caggctggag caagctcagc atgggggccc
9481 ggtagctca caggagtcct ggggtcagag gattttccag ttaggccaaa acgtctgggt
9541 ttccggagga gggacatcag ttaggaggca ctagcctcct ttttggcatt tcttttgctg
9601 tgggtgtagt ttttgaaacc cagtcaggag agttcatatt ctggagcatg agaatctccg
9661 caaactacat cctataaaaag caggaagtag ctggacactg tcttccactc tcttttgact
9721 gagcaacatt ggatgagttg tgaatccatt ggtcagtggg gcaggcttgt ggtccccaga
9781 tacttgaggc tgagggatgg aggattgctg aggtcagga gttcaaggct gtagtgtgcc
9841 atgatcacac ctgtgaatag ccactgcact ccagcgtggg caacatagca agactccatc

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FIGURE 4 (cont.'d)

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9901 tcttaaaaaa caacaacaac aacaaaggtc ttcaccaggg atctgcctag gtcagcgagg
9961 tgggtcatca agannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
10021 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggagtg
10081 acttcacccc gtggtgaaga tgcggcacag actggcggtt cctacggcgc cttcactgga
10141 aagcgcccct gtggtcctgg ggagagggcg gctccatccg ccaccttcc cggagctgcc
10201 cccgcccatt ctcatgggag gaaatcgag ggcggtgtgag ccccgaccc ctcgccccca
10261 cctctgccag gaccggccgc atttctgcac tgtcccgccc cactgggaag gaaactctct
10321 ttctcaattt cctttaatga ggacattgtc ttttcagccc tgccacccc tgcaatcgtc
10381 ttccaggctg caaacagcga gtggggaggt gaacacatca gcttttcttc cctccacacc
10441 accaggaaat ttcgaaacc acttggtctc cggcggcctg gcctcgccac acctgtgccc
10501 acagtctctc tccgctgcag cccctgtgc cattctccag gccccagta cctctgctg
10561 ggcccgagta gactggtca gatggcccc ggctgcaaag ccttctcggg ccccatcaga
10621 gaggacgccc aggtgaagcg agggctccct gccaccctg caagcgcagg ggccttcca
10681 agagtgcagc ctagggccgg tgtgtgatgg tggagacgag gtccagagg gcctgaacca
10741 agaatggaga agacaaaggc tgtctttagg gagaaacttc cctgaggggc tgatgtgtgc
10801 gatcccattt taatctcaca accctgggga ggagctgggg ccgggtctca ttgttcattt
10861 gaggacaccg aggtcaggg aacttagacg actttcctag ggtccccca accccaccg
10921 gccagggcc ctctcccagg caccctcat cccacacag gctcctctaa gctgcttctc
10981 tgtggtccag ccccttggc tcagctcttc aaatacagg acacctcttc tctccccgc
11041 agaactcaag ggtctccatc cactgtgcca gcacagagg ggtgctcaga gtggggctaa
11101 gcttactgtc cagcctgctg ggccaggagg ggcagaagg cccctctcag gattccttcg
11161 ctctgtctct gccaataggc catcactcaa ggggctaata acaggacgat gtggagaaac
11221 gtgggctgca gcacttctgg ggccaagggc aggggtggcg gcactgggga gtacagggga
11281 ggggacctca ctggggccag aggttcttag aagcttctgc aagaaggggc ccctcaccca
11341 tgtcttgccc aagaagtggg gaggggtggg gtggcaaagg aaacagctag gtcagagaca
11401 agagatgctc tgcaaaagcc tgctggctcc ccacggtgga gcacacctat catgtaggac
11461 ctgagagatg gcaggggccc gtgcgtccct atggatgtat ctccatttct gggcagagac
11521 atctgggctc tcacctgcaa ttgagccaac caagaaatta tatttacttt ttagagcgag
11581 cctccaacaa attatacaag cacttgagaa taagccctcc cactgtcttg agagatggag
11641 cccaggaggc cagctggaaa gatgtcctg cctcactca ggagagatgg tggagctggg
11701 agaggaggag gcactccctg ggaccagca gatggacttg actcagcaaa tagatgcaac
11761 catatgtggg ggggtgggag gccagaaaag gcattacagg ccagtgttct taatcctggc
11821 tatacactgg aatccaccag tagccctaaa atataactgt gctgggactc cctggttcc
11881 acagtttgtg cagagtgggc agcatggagt ctgtaacact aaacacacag gattgagaac
11941 catatgtcta ggctgttgtt agccatgatg gggatacatg aaaaggaggt gcacagttac
12001 cttctatacc acaggatagg tgctcattaa accctgttaa aatggactgt gaccagctg
12061 gcactcaggg gcactcaggg gccagggtgg tcacactttc attttaatag gatttaatga
12121 gcacctatc tgtgacagct gctaagatac agaggctcct gagatacaga gatgacaatg
12181 accttcagaa acactgaaca gagataagaa aggcacagtc tggccttcac tccaccatta
12241 attcctccat ccatccatcc atccatctat ccatccatct ctctgtctat acttccatcc
12301 atccaccatc cattcaccat ccaccatca atccatccac ccatctatcc atccatccat
12361 ctactatct gtcatccatc catccatcca ccatccatga atccatccat ccgtatatca
12421 atttctcatc tatctctcca tccatcccc atccacctct tcttccatcc tctctcttc
12481 cttcatcca tccattcatc atccatccct caaccatcc atctgectgt ccatcggttt
12541 gattgtccat ctgtccagta tctctccatt cctccaaac tgggtggcag tactctccac
12601 ctactacct caccatcctt attattccct ccaaactgtc tctttcaca ggccttctg
12661 tctgectgt ccatcctgg tctgggacct atcccactaa agctacatgg ctttgatcaa
12721 caatcccaat cccagagtag gggaaggga gtgagcccct aactgccgtg atgtttccag
12781 ggagatggtg gatactgctg cattactaat ccagatgtta ggttttaatt tttctctcca
12841 gtagaccca attgtggtag gagaaaaatg cccagcttt ggacacaaac agacctggat
12901 tcaaactctg gttttgcaa tttctgccta aatgacttta ggcaaaactc ttgacctga
12961 ccccttgag actcagtttc ctcacataga aatggtcaat aatattattt acctccagg
13021 atggccatga agcttaaaat agattattgt acccccaaa acacgcacac aatgtttaga
13081 aataaataat attattttta gctttgaagt ctggctgggt tctcagctc gtctacctgc
13141 tgggtgtgca gactcaaagc cagggtccca cctcataga ctgtcatctg tgggtgtggg

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FIGURE 4 (cont.'d)

13201	gttggcctgg	cactagcagg	tgctaattgct	cctcagagga	ttctaggtgt	aaaaggaaat
13261	gaaaatcttt	ggaccccaat	tcactctgcc	aaaaggga	aattaagctg	aaagctgagt
13321	gatgcaagaa	acgaagatag	ctacagataa	aagggtgaaa	cctccacagg	tagctcttgg
13381	tggtcacctt	atcaagtgtc	gatgtactaa	gcgcaagagg	aatacataac	tgactattcc
13441	cctacctgct	ccttttcttt	tgcaacatgt	ggattcagta	acgtgaccat	gccctccctt
13501	tcttccctcc	agcctgttct	ccttttaaata	ttgatgccct	taaagacatc	ttcggaaaaa
13561	ggcacagtcc	accaaactgtt	cctgtggatt	tgtgttcctt	ttttccgtgt	atgtcttttt
13621	ttttattatt	atactttaaa	ttctaggata	catgtgcaca	acgtgcagga	ttgttacata
13681	tgtatacatg	tgccatgttg	gtgtgctgca	cccattaact	cctaattagg	tatatctcct
13741	aatgctatcc	ctccccctc	tccccacccc	atgacaggcc	ctgggtgtgtg	atgttccccct
13801	tcctgtgtcc	aagtgtttctc	attgttcaat	tcccacctat	gagtgagaac	atgcggtgtt
13861	tggttttttg	tccttgcgat	agtttgcgta	gaataaatgtt	ttccagcttc	atccatgtcc
13921	ctgcaaagga	cattaactca	tcctttttta	tggtctgcata	gtattccata	gtgcataatgt
13981	gccacatttt	cttaatccag	tctatcgggtg	atggacattt	gggttggttc	caagtctttg
14041	ctattgtgaa	tagtgccaca	ataaacatac	gtgtgcatgt	gtctttatag	cagcatgatt
14101	tataatcctt	tggttatata	cccgataatg	ggatggctgg	gtcaaagtgt	atttctagtt
14161	ctagatcctt	gaggaatcgt	cacactgtct	tccacaatgg	ttgaactagt	ttacagtccc
14221	accaacagtg	taaaagtgtt	cctacttctc	cacatcctct	ccagcacctg	ttgtttcctg
14281	actttttaat	gattgccatt	ctaactgggtg	taagatggta	tctcattgtg	gttttgattt
14341	gcattttctc	gatggccagt	gatgatgagc	atttcttcat	gtgtctattg	gctgcatgaa
14401	tgtcttcttt	tgagaagtgt	ctgctcatat	cctttgcccc	ctttttgatg	gggttggttt
14461	tttcttgtaa	gtttgtttga	gttgtttgta	gattctggat	atcagccttt	tgctagctga
14521	gtagattgca	aaattttttt	cccattctgt	aggttgcctg	ttcactctga	tggtagtttc
14581	ttttgctgtg	cagaagctct	ttagtttaat	tagatcccat	ttgtccattt	tggtctttgt
14641	tgccattgct	tttggtgttt	tagacatgaa	gtccttgccc	atgcctatgt	cctgaatggt
14701	attgcctagg	ttttcttcta	gggtttttat	ggtttttaggt	ctaacattta	agtatttaat
14761	ccatcttgaa	ttaatttttg	tataaggtgt	aaggaaagga	tccagcttca	gctttctaca
14821	tatggctagc	cagtcttcac	ccggggctga	aggtaaccgt	tnnnnnnnnn	nnnnnnnnnn
14881	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
14941	nnnnnnnnnn	nnnnnnnnnn	nacaatgaga	acacatggac	acgggttggg	ggggtatcac
15001	acactggggc	ctgttgggct	atggggggct	ggggagggat	agcattaggg	gaaataccta
15061	atgtagatga	caggttgatg	ggtgcaacaa	accacatgg	cacatgtata	tctatgtaac
15121	aaacctgcac	attctgcaca	tgtaccccag	aatttaaagt	ataataagaa	aaataaaaaa
15181	aaataagtta	aaagagatta	aaaaaataaa	agagaacatt	tgccacattc	agtctttcta
15241	gatggaaaag	ggttgctgac	atatgataga	attagaaaaa	cacacatctt	gtaaatcttc
15301	atttgtttaa	aaagaaatca	tacaaattag	atgttttttg	gagatgactt	tttaaaatag
15361	agtcgttaga	tcacctctgt	aagggatatg	tctatatctg	ttcagtgggt	taggggacat
15421	ggatctggaa	agcctgagaa	gaaaaagaag	gttctatacc	agacttgtga	tatttagaca
15481	ttttcatatt	ctatccattg	ttttgtgtgc	attttattcc	tcactattgt	atatatagtt
15541	gacaatgcta	aacttttttg	tgtattcttt	ctatgtgttc	cgaatgccta	atatatgtca
15601	aaattagcgg	tagtaaaaata	atattttgta	aatatctttt	tgctaaaatt	catatgaaat
15661	gttgtttttg	gagggggaatg	gccaaactac	ctgttgagta	atactcatcg	tgtttgtgtc
15721	ctggttcagg	ggaggaggaa	ggaggggaaa	gtgcagagag	ctctatgccg	ctgtgtttac
15781	agtgaggcaa	gattaaccat	tatctcttat	gtctgtgcat	tttgttttac	ttatctgttt
15841	atgtagtgta	tataaaggac	aaacgagtcc	taatttacaa	catctagtct	ttttagatgt
15901	taaagagggt	gccagtgtat	aacaaaagta	gagttagtaa	actaatatat	tttgtatatt
15961	ttgtttttaa	attcctagga	aagattgtct	tcctatcttt	gagcattctt	gcgcactgag
16021	ttgatggaga	tgggagggat	tctaagctag	gatgttctta	tttggaagac	tctttcaaat
16081	tataactatg	gttacatgta	tgcagtttat	tcgagactgc	tgtgtatata	gtggacaaat
16141	taactcctta	cttgaaaacac	ctagtttatc	tagatgttta	gaagtgcctg	atgtacgtta
16201	aatgtagagg	taataaaaata	ccactttgta	aatatctttt	tgctaaaatt	cataggaaat
16261	actgtctttt	agaaatttaa	ttgttaagcc	acctttgtga	gcagtatagt	actgtctata
16321	cttgttcaat	ggtttagagg	aggtgggagg	gaagaaaaat	atgtgactga	cttatttcac
16381	taagccta	gtctttaagt	ttcattcatg	ttgtggcatg	tgtcagaatt	tccttccttt
16441	ttaaagctga	ataatattgc	attgtataga	tatattacct	tttatttatc	catttatcca

FIGURE 4 (cont.'d)

16501	tcaatagaaa	cttggggtgc	ttccatattt	tagctatcat	gaatattgct	gccatcaaca
16561	tgttgagttc	ctgtattcaa	ctctttgggt	aatacccaga	agtgaattg	ctgaataagt
16621	atggtaattc	tctgttaa	ttttgaggag	ctgctgattc	atacttttac	gtataaaata
16681	ttagacctta	aatgtattat	gtaaaaacac	taagtatttt	taacattcta	gagtaaagaa
16741	gggtgtttctt	agcaagacag	aaaagctgaa	accctcaata	gaaaagcctt	gttaatgtta
16801	tcacataaaa	tattcaaaat	ttctgaacac	acagacacac	acgcactaac	gaaaagctat
16861	ttacaacttg	tggtagatga	agaaataatt	tcttaacata	gcaagaaccc	aggcaaatga
16921	ttaagaaaaa	gaataatcat	acaaatttaa	tacatgtgag	aagctgttca	gcctttccca
16981	ttaattaaag	aagtaaaata	taaaacaaaa	catataattt	ttcacttagc	agagatgaaa
17041	tacaaaaaca	gatgggtata	gggtgtggaac	atacttcctt	ggttgacagt	tagccaatat
17101	ctattaaaa	cccttgccac	agtaatttca	gttctagaca	tttgtcttat	attactgtat
17161	ttattctgtc	ctgtaaccat	aaattccaca	gctgcctagt	gatgggtcta	tatttaaagt
17221	gaatgcttac	tctcagtatt	gttttttctt	ttgagatgga	gtcttgttct	gttgccaggc
17281	tggagtgcag	tgccatgata	tcagctcact	gcaacctcca	cctcccaggt	tcaagtgatt
17341	ctcctgcctc	agcctcccga	gtagctagga	ctacaggtgt	gcaccaccac	gccagctaa
17401	tttttgtatt	tttagtagag	atggagtttc	accttggttg	ccagtatggg	ctcgatctct
17461	tgacctcatg	atctgcccac	cttggcctcc	caaagtgtct	tgattacagg	tgtgagccac
17521	gacaccagc	cagtattttt	ttttttaaac	cacagcttct	tcattttgag	tcattcttaa
17581	atagctgcaa	tttactataa	cttaggggtt	acaattttta	aaattgtgta	tgtaaggta
17641	tccacatgat	gtttgatata	cttcttttga	cataaatata	cacaatgaag	tgattactac
17701	agccaaataa	tgattaccat	acccatcatt	gctagcgttt	agaaagacaa	ctgattttta
17761	tgtgctgata	ttgtaccctg	caaccttact	gaatttacta	aatctagtag	ttttttggtg
17821	catcctttgg	gattttctat	taacagaatc	atgccttctg	caaagtgaag	taatttagct
17881	gcttcttttt	aaatatgtat	gcctcttatg	tctttttctt	ggctatgttc	ttttctctgg
17941	ctagaacttc	tagtacaatg	tccagtgtca	gtgttgaaaa	tgggcatcct	tgtgtgttc
18001	ctgattttag	gagtaaagct	tacagttttt	ctaccctga	gtatgatttt	agttgtgaga
18061	ttttctcata	tgccctttat	catgctaaga	aagttccctt	ttattttagt	ttgctgattt
18121	tttaaaatta	tgaaagggca	tttaatttta	tcaaatactt	ttttctgtgt	ctgttgagag
18181	tttgccatt	ttttttctat	tgaaatgggt	tattatggta	gctgattttt	ggatgtgaaa
18241	ccaaccttgt	gtccttggga	taaatcccat	gtaatcatgg	tgtataattc	ttctatgta
18301	ttgctggatt	tggtttgcta	gtattttgtt	gggaactttt	gtgcccataa	gataagaggt
18361	attgatctat	ggttttcttt	tctgtgtatg	tctttatttg	gtttttgtgt	cagggaaata
18421	gtggcttcac	aaaatgttca	agaagtgtac	cctcctcacc	ttttgttgg	aagagtgtga
18481	aaaattggta	ttatcaaatg	tttagtagaa	ttcaccagtg	aagccatttg	cttttctttt
18541	tgggtagttt	ttgattactg	attcattctc	tttaattgtt	ttaggtctat	tcagattgtc
18601	tgtttcttct	tgagtcagtc	ttggtagttg	tgtctttctt	gaaatttttt	catttcactt
18661	aaattatctt	atttgtcagt	gtacaattat	ttttgggtat	cctttataat	cctttttatt
18721	tctttaatgt	cagtagtaat	gtctcttctt	ttatttctga	ttctatagtt	tgagttttct
18781	ctcctctttc	cctgatgaaa	ctgaagtttt	ttccatttta	ttgatttttt	tcaaacgata
18841	aaattatttc	attaatttgt	gctgttatca	ttatttcctt	ccttctgctt	acttaaat
18901	agtttcatat	tttttgtaag	tgtcttaagg	tagaatttta	agttattgat	ttaagaactt
18961	tcttaataca	agtgtttaca	gctgttgata	ttactcta	tacttcttta	gctgcatcac
19021	aattgttttg	gtatgttgtc	ttcattatta	tttgtctaaa	aatattatct	aatttctgtc
19081	ttgatttctt	ctttgactca	tgaattgttt	tagagtggaa	atttcatttt	aaatttccaa
19141	atatttgtga	atttcccaaa	tttcccctgt	tgttgatttc	taattttatt	ccattgtggg
19201	taataacata	ctttgcatta	tttctatcct	tcaaatttat	tgagggtgtg	tttatggcct
19261	aatatgtggg	ctatcttcta	gaatgttcca	tgctcacttg	acatgaatgt	atactttgtt
19321	gttgtgttta	agtagaatgt	tccatagtcc	ttgaggctca	tttggtttgt	agtagtctc
19381	aagtctctct	ttccttgggt	gatccgtcca	gttggtctat	ccatttttga	acgtgtagta
19441	ttgaagtcct	tgactatttc	tggtgactcg	gttgacttgt	ctatttcttt	cttttctcag
19501	gtctgttttt	gtttcattta	ttttgggtgt	tcatatata	aggtgcatat	atgttgataa
19561	cagttatata	ttcctaattg	atggattcct	ttgtaattac	aaaaggccac	tctatctcta
19621	gtaacaattt	ttgttttaaa	gtctatttgt	ctgatatcag	tgtactgact	ccagtggttt
19681	tgtgggttgt	gtttgcataa	tatatttttc	ctgttctttt	actttcattc	tgtgtcttcg
19741	aatcaaaatt	gtgttttctc	cagacaatat	atacttcatg	ttttcttatc	caatataaca

FIGURE 4 (cont.'d)

19801	cctttgcctt	ttgattgcat	tgttttattcc	attcacactg	catattatta	tttagtggga
19861	tttatgtctg	tcatTTTTtagt	tcttttttTgt	ttttgttttg	agacagaatc	ttgctctgtc
19921	acccaggccg	gagtgcagtg	gcgtgatctc	ggctcactgc	aagctccaac	tcccgggttc
19981	aggccattct	cttgcctcag	cctcccaagt	agctgggact	acaggtgccc	accaccactc
20041	gtggctaatt	ttttgtattt	ttagtggaga	ctgggtttca	ccgtgttagc	caagatggtc
20101	tgcgtctcct	gacctcgtga	tctgcccacc	tcggcctccc	aaagtgttgg	gattacaggc
20161	atgagccacc	gcacgcccgg	atTTTTTgtt	ttttatatgt	atcatgtctt	tgttgttccct
20221	gttttTgtctt	tacttctttc	tatttcattg	aattaatatt	ttctaataata	gtattttaagt
20281	tttattaata	atTTTTatcac	tgtatttttta	tttttagtgg	tttctctagg	atTTTctgta
20341	tatatcttat	cagtatgagt	ttcagattca	cactagctta	attccagtaa	tatgtagaaa
20401	tgttactcat	gtagaactta	attctcttgc	tcttttTgtg	ttattttatt	tatattatat
20461	caattaatgt	tacaaagata	tacattgttt	aaattattat	tggtgctatt	attagcatac
20521	ataacaccca	catattaaaa	ttgtatatat	tgcatatatg	tattatagaa	ttgtatatat
20581	tatagggccca	atagtatat	gtatacatgt	tattttatat	aattgttttt	aaaatgagtt
20641	aagaaaaaag	aaaaatgcat	ttctactgtc	tattatagaa	aaataattac	atcatactga
20701	acgtcttcac	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
20761	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ncgcggaatt
20821	cctaaaagaa	ttgctgagac	aaagtatatg	tgcctttgtc	atcctgaggg	cagttgtcat
20881	cctgtggagg	tttaccattt	gctctcccac	cagcaatgta	taagcatacc	tgcttcccaa
20941	cacttccgcc	aacacatat	atTTtgattaa	ttttcttggc	tgataatgg	atctcattgt
21001	agttttaatt	tgtattttctc	attgtgagag	aaatgaagca	tcttttcatg	ttttgagagc
21061	catctgtgca	tcttttccca	ttgtttctgt	taagtcatg	atTTgcagta	ctgtaatttg
21121	tgatgagttg	taaacatgag	ctcttctggc	ctcttaacca	tccttatcca	gcctgtcttc
21181	acgttccctcc	ttgcctaaaa	acaagctcac	tcaaacagat	cattcctgtg	gccctctccc
21241	ttttgaaata	aatcagatgg	gcaaatttgc	ttttgttagg	ggcctgagac	ccaaatgttt
21301	aaaagtagct	tagctgatga	gtgaaaagga	ggcccagttg	ggggttgcac	agaaaatgag
21361	gggctgggtg	aatagaggag	gctgggcagt	aacctggcag	aaggcgccag	aggccaagga
21421	aggtgcgctg	gtgtcctgca	gtgagaagga	tgtgtgcact	atcaactggg	taaacacact
21481	gctatagctg	ctccagcgac	agcaggcact	ctcagaagg	aactgagaaa	aggggaatgc
21541	cagtttctgc	caaggatata	tggaaaagtt	tttttcccc	gtatgttctt	tggcaacctt
21601	gttaaaatca	tttaaaatgg	tgaatttgat	aacaaagcca	gccactaaaa	gacttggatg
21661	tagcaaaaca	aattgtcaaa	aagtatttat	catttctaag	aaataaaata	aactgggatt
21721	taggcttgga	tagaaatcca	gaggtttTgt	ttggcataat	taattacaac	atctgaagaa
21781	gggaggtatt	ttacaagaat	tttttttttt	gtagtगत	tgtctttatat	tccttttcat
21841	gactggagag	tctgtcattt	ggcaaccgc	aaagaacttc	aggaacagag	ggcctaagtt
21901	ttcttgacac	atTTtgattt	ttgcatgatg	aacatttgca	cttttattag	taattgtcga
21961	gtcgtgtgtg	gtctgatcct	atggagagga	gagtgtaggt	gtnttctctg	gagctagtac
22021	ntgcccccg	gctcacacgt	gccacactgc	ctgctgcttt	cangaaagag	caggacggct
22081	ggtcctgtcc	catctagtga	ggtcctgtcc	catctagtaa	ggttctgtcc	tcagagctcc
22141	taagagggga	ttgctggcct	ttgattacac	tggcttccag	aatctgacca	tgggaaccatt
22201	atTTgaagct	gtcagcttca	ttttgttTgt	gatcaggcca	gtcttttagg	tctttgttgg
22261	ttgatagatt	tctctcaggt	ctatagcagc	aacaaataaa	gctctttaaa	attattttct
22321	tgaccattct	gcctatggat	tggttctgac	ctttgaaatg	tttTgtgtcc	tttagatcgt
22381	gacagaagga	gcctcttctg	ggagctgtga	agacccaca	gatctcactg	gttttcttgc
22441	ttttattTga	agagttagca	tttTgtgaag	tttatattta	tgtaaaataa	caataagtag
22501	atTTtaaaat	ttttcttttaa	attctgtgat	ctaataagaa	gagagactct	ttctctgtca
22561	ttgggaggct	tgatgaggat	cggacatacc	tgctgagagt	atcctgtaat	gttttcataa
22621	gattTgaaat	ggtgaaatga	gagcagaaat	gtaggcagag	gatgccaacg	ctgttttcta
22681	tttcctaagt	aaaactgagc	agggcagaat	ctccccagcc	ctgccagtag	tccttctctc
22741	cttgggtccg	ctgtcactgt	catgctggcc	ttgacatctg	ctacaagtgc	acacacatgg
22801	ggaaccacac	agggaagtga	acacatgtcc	tgacgtgtgt	gtgtgcctgg	tgtggctgct
22861	tccttgatcc	aggctttTgt	ttgttacgag	gctctgcct	cctaccttca	ggccttgctc
22921	ctcatcatgg	gcatgcaagg	atggaaatcgt	taccccagag	tacacttttt	gacttggatt
22981	acttTtagtt	tagtactTga	gttcagaact	ttaattttcc	atcagaaacc	tgcctcccgg
23041	acccaggaca	ctgacctTga	ttgggcacga	ttttccagat	aagaccttac	ctcctcccaa

FIGURE 4 (cont.'d)

23101	caggggtttgc	cttcccttca	gaatacagga	aagtacacgt	ggttccaaga	ggaccatgct
23161	cttactaaga	taaaagggag	gaggggtgact	aggtactttc	ctctgctgcc	atcccttgaa
23221	ggaagggggc	ttccttcaat	gcctcatcag	ttccagggag	tatgcttgac	ccagcaacac
23281	agaggaagaa	gtgacctcat	agcaatgagg	ggcaagcatg	tggatattgc	tgggtatttc
23341	ttcctcaaag	tctacctggg	gacaggtgat	gaagacgctt	acttctctgc	aatacacccgt
23401	gatcaggctt	tgggtcttcat	gacacatttt	agccttgcc	atgtgtgttg	aacagagctg
23461	gtcatcctca	gaaataaaa	aagagagcaa	taagtacagg	aaggctttca	gtcccagaat
23521	agtgttagga	ctaaatgtca	gagaacaggg	ggactgtagg	agtttgggga	ccttagcatg
23581	gataccctct	caatctgctc	ccctgtggta	taaacagtaa	agcccattgt	actaaaaggc
23641	cttgagtgc	tgtctctggg	gcaggtggag	ccagtgatgg	gtgccccgag	aggaggatgc
23701	tggagagggg	acagtgtcta	aggcagttgg	agaaaaagga	caatggctta	tgcagtcagg
23761	cctagaagat	gcaagggatg	tcacagcata	gtgtccacag	gcatccctag	atgtctttca
23821	ttttgtttca	ggaagaatat	tgacaaaggt	agtgtggga	gggttatttc	aaggatgcta
23881	ttttcatgtg	tccaagtaaa	cttaagattc	ctaagaactt	tgacctctaa	tgcttttaaa
23941	gaccgtgtac	ctcatgccc	tatgcacatt	cagttagaaa	ataaatgtag	attctttggg
24001	gaattcgaag	atgtgctcat	ggagtggcac	agcgtgatct	cagtgtacac	atgaagcatg
24061	ctgatgagag	cttcttggat	cttgtttctt	caggtggact	tgcatataag	tgctgttgaa
24121	tctctgcact	gggagtggga	gcagccatgc	gatgggtgcc	ttaatccgag	tgccatcctg
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24241	tggccttacc	tgttctgggtg	gttgaccaag	ggtcgggggt	cccaaagggtg	gagttccagg
24301	atgagagtgc	acccttgggg	atgggtactta	gaaagagtgg	ggactaggcc	tcagccaggg
24361	aatgggtggc	caggggtggag	ctcctttgta	tcaaggagtt	agggccaagg	gccatgcagg
24421	tgggcctgca	gaaggtgggt	ggtgatatgg	cctttctggg	gataacagac	tcgtggcact
24481	gttttcctgg	ggctgttggg	ggtgcatgga	gcagattctt	actcaggctt	actgtcttaa
24541	ggagggaaga	atgctttttt	atgaatacgc	ataggtctgt	ggggctgtgg	agcctgggga
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24661	tggcactcac	tgtccctatt	tctctctgtc	catttctctc	ctcactgcag	tgcttctctc
24721	ccttcctaga	tttttttctc	taagtttgac	tattcaccac	cccagagact	ctgttctatc
24781	ccatgacctc	ttgctgtact	ttctttcaaa	tctaaatttt	cttgattatt	tttcttaatt
24841	tacagtttca	agattagatc	tgttgggagc	attctgtgct	ctacctcagc	ccctgggtga
24901	gctatggatt	ggtgtccccc	atgggtgacgt	ggtctggact	cccttttgtg	tgaagagctg
24961	tggcagggca	gtgaggtttt	gtggaactca	gggagcatct	ggcactatgt	atgaggttgt
25021	gaggtgggag	agagctctta	aatctaccag	ccttgttgat	cttgggaact	aggagagagt
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25141	ccttctagta	cttcggtttt	tgacttatat	atgaactaac	tcaatttaga	tgcttagaaa
25201	ataaacggcc	actggacctg	caagagatta	gtagtgggtg	tccatagcct	tagacatttc
25261	ttacactttt	atccacagat	aagaaaaaaa	tagtgatatt	tgatttgttt	tgccaaggct
25321	tagaaggatc	taatatgtgt	tactcgttga	gcagcgggaa	gcagcagaca	tttctagggg
25381	ttctccctgt	caccattcag	gagacagtgc	acacaatccc	cttggctctt	acctgaacac
25441	tgaccacagg	tctgtcattg	caggctggga	gtcctccgtc	agcatcagct	ccggctccgg
25501	tgtcctcctt	ctctcgcact	tctatcacgc	catccagcca	ggacatctgc	aggtaacact
25561	ctgcttcaga	tgctgccatg	atcagtgtgc	agccagaaat	aagcattagt	gtctgtagggt
25621	tcttgaattt	ccatttgcct	aatcaatctg	cctttggctt	aaacagttgg	cgagttttat
25681	gtgtgggttg	ctcaccaagt	tacctatgct	agtctcattt	cttcactatg	atgtctattc
25741	tcttttaaaa	ttgtttttac	tttctgtgct	tttatcccac	tgttctgcat	gcagttccag
25801	tgcagtgttt	tctgagtgtt	gtcaccacag	ttcctgtcag	tctgctgttg	tctcgaaagc
25861	tcctcactgc	cagagttctc	tgacacaaag	gctcactgtg	acagttatct	gtaaggacac
25921	attacaggcg	tcaaagagaa	attcctttgg	ttcagaatgg	gccaggcctt	tgaagcctgc
25981	taagaatacc	aaagccagaa	gaacactaaa	gttctcaagg	tccctcaatg	atgtgggtga
26041	gaaggcgag	gatacttcag	aaagttttgc	ctatgtggaa	agaacttggt	ctgaagggaa
26101	attaatactc	cctcaagata	cgtgtctcag	aactaacagg	tttcatcata	aagaaaaaag
26161	aaccctgaac	cacaaacctc	ttggcaattc	caaacattct	tgtgtttcat	gcctttctgc
26221	cggtcgctca	actgcctcag	aggtggaagc	tggaaggggg	ggcaggcccc	gcctgctgct
26281	ggaagagaag	gcggatgggtg	aggccacgtc	ccgaagccgg	caactgctcc	agtacctggt
26341	ctcactctcg	cacggcttga	gcgccagcag	cctgcacagg	ttccatgagc	tggagagctg

# FIGURE 4 (cont.'d)

26401	cgctgctcgc	ctgcacactg	ccaagtccctc	cagcgggctg	gcagggagta	tgggcttctg
26461	ctctgacgag	atgggagacg	acgatgtctt	tgaggacagc	acatctgcaa	aactgaagag
26521	taggggttctg	cgggcgcccc	tctgtctccac	ggaaaaggac	agcgacctgg	attgtccttc
26581	tcccttctct	gaaaaattac	cccccatatc	tcccggtgcc	acgtcagggg	atgtctgcag
26641	gttgggtttgc	caggaagtgc	cattctagcc	atctctgctc	gcatcaggaa	cctcctcttg
26701	cttttagtatg	tgaagtttca	ggaaaatgaa	gtaataggaa	gttgtaacca	gttggtgggtt
26761	gatgggttttc	tccagaagaa	tggagtatca	atatcgtttg	aaaaacttaa	tttttatgat
26821	gtgagtccca	agatagtttt	acaaatgata	aaagagggaag	aagctgggctg	ggcgagtggtg
26881	ctcacgcctg	taatcccagc	actttggggag	gctgaggcgg	gtggatcacc	tgaggtcagg
26941	agtttgagac	cagcttggcc	aacgtggcga	aaccccgctc	ctactaaaaa	tacaaaaatt
27001	agccggggcgt	ggtggcgggc	gctgtaatc	ccagctactc	aggaggctga	ggcaggagaa
27061	ttgcttgaac	ccgggaggcg	gagggtgcag	tgagccaaga	ttgcgccatt	gcactccagc
27121	ctgggcaaca	agagtgaaac	tctgtctaaa	aaaaaacaaa	acaaaacaaa	aaaaaaaaaga
27181	ggaagaagct	acacatatta	aaggccaagc	tgactcttct	aaactaaaaa	taagtagact
27241	ttgcataaag	aaactggaag	aaagaaacta	gtatcttcag	ttttccagcc	tgatgggtcca
27301	gatttttaagc	attgttgcac	ctcccagcct	cttttttaac	ccttgctccc	tacctacccc
27361	caaaaggtgt	gtggggactg	gctgttctcc	agtagctcct	tccttccctc	tttttaactg
27421	aggtgtagcc	acctatgtcc	cctcctaact	ctgtttcccc	cctttatctt	cccttggtgca
27481	gcacccctgt	ctggcctcca	taattcactt	tttgtcatga	ctcttgtgcc	ctcctcatte
27541	tgacctttct	ccagtctccg	ctccttagtg	ccagctgtca	tcatttctaa	catttggtac
27601	agagatcccc	tcactaaaac	agcctgagag	cctggctcct	tccaggacga	gtgccccaac
27661	ctgttctcta	gctgctggaa	aagacccctc	tgtttcttaa	aagcctgtta	agttccttca
27721	ggctagtagc	tacaccttgt	tgcatacttc	cttggaata	gagagtgttt	tcaaattaat
27781	ttctcactta	ttgctattag	tgggtcccaag	aaaaagagat	gaaattgcag	catcttgtaa
27841	tgggtgagttt	tttaggtcta	ggagagaggt	actgtcatct	ttgtttactt	gtgagagac
27901	gacagaaatg	tgtagtgtg	gggtatgaag	gtaaagtcat	tgattatagc	taaaaagcaa
27961	acgtcattta	aggtcactgg	tatttttggg	tgttggaatg	cagcgcttac	catccataca
28021	agaacccgct	gggagggcca	agaccatccc	gtgcgcggcg	ggaaccgcga	catccgccac
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28141	tgctcaccca	gggcagcggc	gtagtgcggc	ggggcacaa	cccgagccgc	ccggggcggc
28201	gcgcggagaa	ggagcgcaga	ccccgtgaac	acgccggagg	accgtccgcg	cggcccgtcg
28261	cgccactgcc	tactgccagg	ggcggcgggt	gacgacaaaa	ccctcgggtg	gccgcgcctg
28321	gcagtcgcgc	gccccgcgcc	ccccagcggc	gcgcacccgc	gggcgcgggc	cgaacccggc
28381	aaggtgagag	ggcgcgtggc	cccgggcgct	gaccactatc	attctccgcc	acacggacga
28441	aggcaggagc	accacggggc	gccggcgggc	cgcccgctcg	ggccaaagag	cccggccgcc
28501	agcggannnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
28561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnngag	ccgggcgagc
28621	gcaggcgggc	ggagagcaga	ccacgcggaa	gaggccgaga	gagaaagcgg	ggcaccgggc
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28801	gacaaggagc	gggggagagg	gaacctgggg	gcaggcagag	gcctaggggg	tgggctctga
28861	gggcagccac	tcccaccggc	cctccccag	ccccgcaggc	cagccacatg	ccccgtgctc
28921	cagacgaccc	agctacatgg	atggcagcgt	cctgaagggg	gatgatcggt	agggagtggg
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29041	agccggggag	gtggaagctg	cagtgatctg	cgccactgaa	ctcccgcctg	ggcggcagag
29101	tgagaccctg	tttcaaaagg	caccaggggt	gtagggaagg	agcgatatcc	cccaggcaag
29161	gaaggctgcg	gagggggccg	gccaggagag	aagggccctg	agctcagtgg	acgggcaggg
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29281	atcgggagaa	gtgatggcgg	aggaaaagaga	ggccggaaga	ggaggggggc	tgtggcctg
29341	gactggaaa	gcaaagcgtg	ggtttgtata	tgggaagaag	accacatccc	ctcttatcgt
29401	catcccaact	cagaaaccat	ttggccccaa	gtcaccaaa	cactcatagg	aaccactttt
29461	cctgtgacac	aagtaggatt	ctcccacttt	taacttccca	aatgctaccc	gaaagcctct
29521	gaaatccttg	gaaattttaa	aaataatccc	cttctattaa	ctgatgccta	taaaacatat
29581	tgactttcat	taaattttgt	tatgaaatca	gggatgtgtc	ccattgtaaa	ataaatttgt
29641	ttggaaaatg	taggggtgta	tcccatctaa	aatcagacg	aggctagaaa	atttcaattt

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FIGURE 4 (cont.'d)

29701	tatttgctaa	ggtagcatca	tgttggttaa	aatgcacat	aaaataagac	caagagttaa
29761	tacaaagcat	gaagtcacgt	ttccctcaaa	aaaatgattt	gttctgtagt	caaattaatt
29821	tggaaaacat	tgcaaaactct	tcagcagtg	ttctcaaagt	atagcttgcg	tcagaatccc
29881	ctggggccct	tgctaaaatc	tggatggcta	cactccccgc	ctagagtggg	ttaaactcag
29941	tgcccactgg	caggaaactg	aaacttggt	gaagtcaccg	aggaggcctt	ccccgttaa
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30061	ttcctcctag	ccacctgctg	tacctggaag	ggggccagcc	ctcctcagca	ggctttgctc
30121	ctgccctgca	cagcacaact	gtggcgtaaa	aaatggaaaa	gctggtagca	gaaggaaaga
30181	gcaggggagac	agagggttagg	tgaacctcaa	tggcctcatt	aaagcaaatt	gagaaagaga
30241	gtttccttcc	cagtgaaggc	ggacagtgc	gaaatgcggc	ccgtcctggg	agaagtggg
30301	gcgaggggtg	gggggctcac	cgggcacatg	gccaacagct	ggtgccagc	ctgggccaca
30361	gtttggcaca	ggagaaaagct	gaagatgcag	gagaaaagcta	ggtcactgcc	cctaggccag
30421	gtgatcaagg	tggctgttac	ctgcctgtgt	ggccttgaaa	aagcctgggtg	ccctctctgg
30481	cttgcaagggt	ccttcttttt	acaaaagcgg	gtcttcgaag	ccctgaatat	tccagttatc
30541	tgtaaggata	tagaaatatt	ttgcctctag	atgacatgta	aatatgttcc	tcctaactcc
30601	acttcttctc	acatctgtgg	cttctctctga	gaactaccag	accaccctg	ttttcagagt
30661	aaacctcctg	ttttgaggtc	aaacagaccc	agctgggtaa	ttggtgactc	actcctgggt
30721	cctccaaaga	acaggggcaa	gggaccaccc	gggacctcag	gtgccccagc	acaggacctc
30781	tttctggggc	acctctgggc	actgggccat	cttcaggccc	tacagggtc	tggggcctg
30841	cgtaggcctc	tcctctccca	gaaataagtt	cttttcccca	cccagactga	caccagatgc
30901	tacagtgagg	tttacccttc	cagcttgaca	agcattccta	gccagaaca	ctcagctgac
30961	gaggggtgct	gggggaggaa	ggaggcagca	aggctgaaag	aagcttctct	gggtattcca
31021	gtgcctggct	gctggctgta	gccatggtga	gaccacagca	gcctccctgg	aagcaagcac
31081	ctgtgtaaaa	gccccctcct	ccccacaagg	ggctggatcc	aagtgaagaa	ggtaccagaa
31141	ggactggaag	atgatgctgg	tattattcga	cagctccagg	gtgctgtagc	actgagcacc
31201	tactgtatgc	agcccatcac	aaagccagcc	acactgcca	ggctgtgcca	tggcaacttc
31261	cagcagtaca	ccctctcggt	cacctgcagg	ctccttgttc	atcctgacac	atgaggagaa
31321	aaagacagta	ctcacaagg	cctctagcct	tgtggcccca	ggaccctctc	ctgagcatca
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31561	ttgctgcctt	catgcatggt	cacagggtga	ttcccttgag	acaacagagc	tgggatgtca
31621	ccaagccctg	tgtcccatca	gccagctct	ccccagcctc	catcctctca	ttctgctgga
31681	tcaggaggat	gtggggagg	ccctgactcc	ccagctttcc	ccatgacaag	gtgtgtgtct
31741	acagctcaga	cccagccatg	ctccacctga	gaagtgggtc	caggcagagc	actgggtcct
31801	ggccacctag	ggctgcctcc	tcaggggtgg	gcaggaagg	gagccactgg	aggagtgcc
31861	cgggcacagt	cccctgcacc	aggtgaggtc	acctcttagt	ccatgaggcg	atgctgcatg
31921	agccccctctg	gacactagaa	ggcctgggct	caatgctgag	taaagtgcag	gcatgactgt
31981	gccctcagca	tgcatagggc	agcaggcata	gattcataca	cgtgagtttg	cacttaagct
32041	gcagtaagag	ctacagagga	aatgaacaga	gacagcatca	ctccagttag	ccctccagat
32101	acaccccatg	tgcgcagtaa	gagaatggca	tagtctattg	ggacagccac	atcaaaatac
32161	cacagaccag	atggcttaaa	cggcagatat	ttgtctctca	caggtccgga	ggctagaagt
32221	ccaagattag	ggtgccagcc	aatccacttg	ctggtgagg	ccctcttccc	agcttgacga
32281	tgtctctgtg	ttccacagc	atggtcacgt	ggcagagaga	gggggacagg	gcatgaataa
32341	gcctctgggtg	ccttctctct	cttacgagga	tgctaattccc	atcacgggta	ccccaccctc
32401	gtgacctcgt	ctaaccctaa	tcacctccca	aaggcccat	ctcctaattg	catcacactg
32461	ggggtcaggg	cttcaacaca	tgaatttggg	gagcacaatt	tagtccacag	cagaaaagaa
32521	aggggcacag	agcattccag	cctgaaggaa	acagatgtgc	aaaggcccaa	ggcaaaaggc
32581	tgagctctga	ggggcaacca	gagtcaggc	tgaagagtgg	gcagtgtattg	agcactgacg
32641	gtggagaggc	aacaggctat	cttggttaatc	tcagtctttt	gtgtgccaga	gagagaaact
32701	gaggcacagt	gtgtcatggt	gaacactggg	cagcactccc	acgtctctgt	cctgcactct
32761	gcagggttat	ggaggaagcc	tgggaagtct	ctccctctct	ttccaccttt	cctggaccca
32821	ttccacaccc	tgctctctcc	aggaagccct	ggggattgct	catacactca	catctcactc
32881	cttagtacct	gcagcctgca	ttctgaattt	agcaagctct	ggccttgggt	ttctattttc
32941	ttgtcctgtg	cagtgagcat	ttggaaactt	ctcctcagca	ccaaacacgg	agccatttag

FIGURE 4 (cont.'d)

33001	cagaaaatac	atgagttttc	aagtcaattg	aactgttcat	cgccccaaaa	gccaggcaac
33061	acggtagagc	agctggatct	ctgttcgtag	aagctttctc	agggactggc	ccaccgagtg
33121	ggggactgca	agtccccgat	gagtgaatga	atgaacacat	gtgtgaatgg	aattcaaggc
33181	actgcaggct	attctggagg	gtactggcct	gtctcttcga	cagggtgagg	gcagtagaac
33241	agcatcccgt	atagatgcca	gtttctgacc	tggttctgaa	aagccagtca	cctacctctg
33301	cagagctgcc	tggagggggc	gggggttggt	aggaccctg	agagcttggt	gtgaaggggc
33361	tctgcagagg	gaggcatggc	tagtgtgcgc	aagggtgacct	ctctcctggg	ctgcaggatg
33421	gagaacctgt	tcatcaaccg	cttcatgcac	atgttccagt	cttcttggaa	tgacttcgcc
33481	gactttgaga	aaatctttgt	caagatcagc	aacactattt	ctggtgagtg	tgacctctgg
33541	ggcccaagtg	gtgctgggga	caggggatgc	tgctctcctg	tctgatactt	gccgggaaat
33601	tgacaagggc	cttctcgctt	gctgcagcat	gggggcctcg	ctgccaccat	gccaccctgg
33661	acagcacccc	ctacactcca	caccttttac	catcactgtg	gtcacccttg	tgcccagagg
33721	tttctcctcc	tcagatatcc	aagctcgagc	accctcaacc	tcattttact	atcaaaaagtc
33781	tcaaaagtat	cagaactttt	tcttggcaca	aatcaatcat	ttgtgcttct	gaacagagca
33841	aaggcagaac	ttggcttggt	ttttagggtat	ttacacaaaa	gcaactttgg	gttccttttg
33901	actaggatgt	gtttgatgag	agcactagct	tcatagtggc	cagtcatggc	atgggaagga
33961	cgtttaggaag	gcaggaatgg	ctggacaaga	agaggtgctg	aaatcaggac	atggggaaacc
34021	aaacttgga	aactgcccc	agggactctc	ctccacgccc	tccttcttcc	atcctggaca
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34261	gtgaggtcag	gagggccatg	gccctggctg	ccctctactc	agagctcagg	gtgggcctcg
34321	cttttctcct	ggtagagcgg	gtcatgaatc	actggcagga	agacctgatg	tttggctacc
34381	agttcctgaa	tggctgcaac	cctgtgttga	tccggcgctg	cacagagctg	cccgagaagc
34441	tcccggtagc	cacggagatg	gtagagtga	gcctggagcg	gcagctcagc	ttggagcagg
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34561	agccagttcc	tcctggccag	tgctcatagg	ccaccaagac	gctaactgca	ggccccctg
34621	gcctacagca	gccgttctct	tttcttgcca	gcagtgtcag	ccagggtcct	gggcattatg
34681	cagactgtct	tgtgcaacat	cagaggagga	attgcgggga	atgtttctcc	atgatgctcg
34741	agtctgggaa	cataatgtca	atattttcac	tatcagtatc	aataattaca	ggagctaccc
34801	ttgattaggg	gcctgtgggt	ggacaggcat	tgtgacagg	gctttacaca	caaggctcatc
34861	agttgtcacc	caccttgcaa	aggggagaa	actggagaaa	gaagcagacc	ttgtgtgaca
34921	atacacaaag	ggcacgagga	gaacccaaca	gaattggtga	ttttctcggt	agaaatgtcg
34981	ctgcccattg	tcctgtcgca	ccctcctccc	cacctcacc	tgcagactca	gctgcctccg
35041	gctgcaaggc	tgacctagtc	ttgagacaga	agaagttcaa	accaactcca	cctggatctg
35101	gtggggctca	gcaacaggcg	ctggcccatc	agcctgcctc	ttccccatgg	atccagcgtg
35161	atggggcctc	ctgccaccca	ggcctgctg	cctatcccca	ggtgtccagg	tggcctctgc
35221	tgcttccagt	cttttgagct	cagcttacct	tgaggcccta	ggttgagagg	gatggttggt
35281	gccctttaga	gataaaccta	cagccccagt	acctggccca	cctgaatcta	gagggccacc
35341	caccagctg	aagtccctgg	gcaagtctcc	tgccccagtg	caggcagtgt	ttcctaacct
35401	cctcctcctc	ctgcacccaa	ccaggcccag	aacacttcc	ggtcatgtga	acagctgaca
35461	gttacaatcc	cccacacact	gagagagcat	ctgtgttcc	gagtggactg	aattgctaga
35521	tgtagtaaca	ttgatttggt	ggctataggt	ttcaaacttc	aagtcagaga	tcatagaact
35581	ttaagccata	tagaatccta	gaattggaag	actctgagca	gccatctctg	caccagcag
35641	ccaaggagtg	gccatcctca	gcacctggca	gggcatcagc	ctcccactgg	gagtcgccgc
35701	cacctccagg	gcacgtgggt	tatgagtcac	ctttcctttg	agctgaccca	ccccctactg
35761	actagactct	taaacacaca	ctgccccgtc	taatacacac	cagcatgatt	cttaatcccc
35821	acagtcattc	acgtgcccc	tctggcagca	ccttaatgat	ctacagcaag	cttgtggcct
35881	actaaaaacg	cctccattgt	tttttaaaat	gtgcagttat	tttccggatc	atgaatagag
35941	aaattgtatc	cctgttggtg	gtattgatcc	agtgttccag	ctcaagtttg	agttcttaga
36001	ctttatatatt	ggattctttg	gtttcaaatc	acaaaaatca	actccatctg	gtttaatcca
36061	agaactctat	tggctcaggc	aacagtaaaa	agcaatgcta	actcatttgg	gaccagggct
36121	cagatcatcc	cctgcactgt	ctctctctcg	ctccatgtct	caatcctctg	cctctgggtga
36181	ttttttcctt	aggagggttt	ccttatgtgg	aggtaaaaaa	tgatcaccgg	cagcttcaga
36241	tttaccttcc	accagcttag	caaacaccac	ccactcccag	caagaaagac	cctgtttccc



FIGURE 4 (cont.'d)

36301	aatgctccca	gcagatgtct	taggccatcc	tcgggcctca	ctgattctgt	gagccagtgc
36361	ccacggccag	gagaatggaa	tacactgacc	tagaggggac	agggactcta	gacaggcaaa
36421	aactccactg	tcagaagcag	aatcctaaaa	tgtcagaact	gaaaggtagg	cccgccctc
36481	gttttccaga	aatatgaaag	ggaggccttg	gataacagag	aaatgctgca	ggcattggcc
36541	ccaaatctca	ggcctcctat	tcccagtatc	accttcacca	gcctgggtgg	tctcaagatt
36601	ggattagcag	ccattccttc	tgggtagagt	ctgatgggtca	cttcagctct	caaagtccag
36661	ctatccagcc	atagtccctag	aaggcaagac	atcactgtgc	ccgaccaacc	caagggtctc
36721	cacctgcccc	cctcaacaca	aggtgccctg	agtgcctccg	cggggatagt	ccccgtcccc
36781	acccctgctt	ccccgcccc	tcgcgacaga	tgctcagagc	tcatccctgg	tgtcacacca
36841	cataaaggag	gagggcggtg	gccaggctcc	gagctcctgc	cgctcctggg	gggtggcttc
36901	tgtcctgcgt	gccgcccggc	agcccggggg	tcctgcgcgc	gggcgcgggtc	ggtggagctg
36961	cagggggggcg	ctctgggatg	tctccaggca	gagtagatac	tgacccctcc	gcagccggga
37021	ccctcaccct	ttccttcctc	actcaggaaa	cagaaaaggc	ttcagaagga	gcggccatgc
37081	ccccggccta	agcgtctcgt	tcccggcccc	gcaggcctac	cctgcacctg	gcgttcctag
37141	gggcccctct	gcgggaccca	ctgcgcgggt	cgcagcggcc	gcccgcctcc	cacttcaccg
37201	gcacgctcgt	tgcgtgtcga	ggtgtgttga	ctcctacagc	aaagggcacg	gatccgcggg
37261	tcagcaagcc	cgacgaattt	acaccaatga	cccgcctgtg	cgccagtctc	agaccagggc
37321	acaacacgcc	aaccctgcag	accaccccc	cctccccagc	cactgcagac	ccttccccct
37381	ctgcttctgc	agcacctgtc	ccgaaacacg	ctcattcccc	ccccgcaga	ccttccttac
37441	ctcctggaga	ccccctcaa	ccctgtaga	gtccccctgc	cgtgcagaat	ccctcccccc
37501	ttcccccgca	gcccccttac	cccacccggc	ggacagcccc	gctcgttccc	tgttcttctc
37561	ccaagggaga	cccctgtcct	ggctctgact	ggggttgagt	tcgccagttt	tgacttatgt
37621	gtagagtctt	caccacgggc	tggaagtacg	gtnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37681	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37741	nnnnnnnnnn	nngagcgtac	ttcagcccg	gtgaagattc	cttacacctt	atacaaaaat
37801	taattcaagt	tggattaaag	acttacatgt	cagacctaaa	accataaaaat	ccttagaaga
37861	aaacctaggc	aataccattc	aggacatagg	catgggcaag	gacttcatgt	ctgaaacacc
37921	aaaagcaatg	ggaacaaaag	ccaaaataga	caaatgggat	ctaattaaac	taaagagctt
37981	ctgcacagca	aaagaaacta	ccatcagagt	gaacaggcaa	cccacagaat	gggagaaaat
38041	ttttgcacct	actcatctga	caaagggcta	atatccagaa	tctacaatga	actcaaacaa
38101	atttacaagc	aaaaaacaaa	caacccccat	aaaaagtagg	caaaggatat	gaacagacac
38161	ttctcaaaag	aagacattta	tgcagccaaa	aaacacatga	aaaaatgctc	atcatcactg
38221	gccatcagag	aaatgcaaag	caaaaccaca	gtgagatgcc	atctcacacc	agttagaatg
38281	gcgatcatta	aaaagtcagg	aaacaacagg	tgctggagag	gatgtggaga	aataggaaca
38341	cttttacct	gttgggtgga	ctgtaaacta	gttcaaccat	tgtggaagtc	agtgtggcaa
38401	ttcctcaagg	atctagaact	agaaatacca	tttgacccag	caatcccat	actgggtata
38461	tacccaaagg	actataaatc	atgctgctat	aaagacacat	gcacacgtag	gtttattgtg
38521	gcactattcc	caagagcaaa	gacttggaac	caacccaaat	ttccaacaat	gatagactgg
38581	attaagaaaa	tgtggcacat	atacaccatg	gaatactatg	cagccataaa	aaatgatgag
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38761	acacatggac	acaggaagg	gaacatcaca	cactgggcac	tgttgtgggg	tggggggctg
38821	ggggagggat	agcattagga	gatataccta	atgctaaatg	acgagttaat	gggtgcagca
38881	caccaacatg	gcacatgtat	acatatgtaa	ctgacctgca	cgttgtgcac	atgtacccta
38941	aaacttaaa	tataataata	aaaaaaaata	aataaaaaata	aaaaataaaa	gaaaatgaag
39001	aaaatcatgt	catttgcagc	aacatggatt	tggctagagg	actttatcct	aggcaaacaa
39061	atacagaaac	agaaaatcaa	ataccacata	ttctcactca	taagggggag	gtaaacactg
39121	ggtactgatg	gacataaaga	tagcaacaat	agacactggg	gactattggg	gtgggtgaagg
39181	aggggaaggga	gaaagtgttg	aaaaactgtt	gagtactatt	ctcagtatct	gggtaactgg
39241	accattcata	ccccaaacct	caacatcaca	caatataccc	aggttacaaa	cttgcacaag
39301	tgcctctga	atctaaaata	aaagttgaaa	aagcaaaaat	aaaacagtaa	acaacaacaa
39361	caacaaaaca	gcaaaacctt	caataaatac	ataaataaaa	atataaataa	atgtctttgc
39421	cagagctttt	tgttttttgt	gtggctttga	gttagtatct	ggggtcacgt	tgtttttaag
39481	ctgtttgcta	tcaactgcat	cctatctaata	atttcttttt	cttaatagta	aaccactcaa
39541	tttttgtgag	gagatattac	attgtggttt	tgatttacat	ttctctaata	atttccttcc

# FIGURE 4 (cont.'d)

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39601 cagtttggat gctgagcatt ttttcttatg ttttttgccc attcatatat aatttttaaaa
39661 gaaatgtcta ttcaaatcct tttgccattt taaaatcata ttatttttaa atatttgtgtt
39721 gtagaaatta tttatatatt ctggatatta actctttatc agatatataa tttactaata
39781 ttttcttcca tccacaagtt ttttttaaca ttgttatgtc ctttaatgca taaaagtttt
39841 aaaaagtttg atgtagtccc aattgtctat ttttctttt gttgtctgta cttttgggtg
39901 catattaaaa aataattgcc atatcccctt attctaagag ttttatagtt ttagatcttc
39961 catttaagtt ttaaattccat tttgagttaa ttcttgata tggcataaga caaagtttca
40021 acttcactct ttcattgtgt gatataccaa tttcccaaca ctgtttgttg aagagaatgt
40081 tcttccctca ttgagcggat ctggaatgct gtaaataatta tttgaccata tatgtggagt
40141 tttcttttaa tgggttcttt attctattcc attggtctat atgtctctct ttaagccagt
40201 gtcattgtgt ttttaattact gtagtcttgt aacatgtttt gagatcacgg agcatgagac
40261 cttcaactca gtttagttttc aagattgtct agtcagagta tatatgaata tttagataaa
40321 ttttctctct ttttcaaaaa atgcagctta gattttgata gggattacat ataatttgta
40381 gactgctttg ggttctattg acttttcaaa ttaatacata atgttgtaca gatttgggga
40441 atacatctga tattttggag atcttaacat taaatcttcc aatccatgaa taccaatgtc
40501 tttacattta tttgtgactt ctttcagtac tgtttttagt ttttcagtgt acaagccttt
40561 tatttccctg gctaagttta ttccaaagta ttttactatt tttgatggta ttgtaattaa
40621 attattttct taattacctt tggattgttt atagttaatt tatagaaagg caactgattt
40681 ttgtgtgtcg attttggatc ctgcaacttt ccagaatttg tttaatagtt ccaacagttt
40741 tctggatttt atgcatatat gcatcttaaca gtttctaga ttttatgcag gagtctagga
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40921 atactatatt gaatagaagc gaagagacag agtatacttg tcttgttctt aatccagaag
40981 aaaagtttga atcttttacc attgagtgtg agtttacctg tggatttttc atatatggcc
41041 tttattatgt tattttcctt ctattcctag tttgctgagt gttttcgtga taaaagggtg
41101 taaattttgt taaacatttt ttctacatca atataaatga tcatgctgtt ttgtccttta
41161 tcttattact atagtgtatt acattgattt ttgcatgttg tattattctt tttttttgag
41221 atgaaatctc attctgtcat tctggctgga gtgcagtggc atgacctcag ctcatgcaa
41281 catttgccctc ctgggttcaa gggattctcc tgtctcagcc tcccaaagtg ctgggattac
41341 aggcattgagc cagcacaccc tgcacatgt tctatcatc ttgcattcca ggaataaagc
41401 caacctgatc atcacaaata ttggtctgta gttttctttt catgtaatgt ctttgtttga
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41521 tttttgtaaa tgactttgag aaacattggt tctaattctt ccttaaatgt ttggtagtca
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41641 tataagtctg ttcgtttttt ctacttcttc atgattcaact cttattaggt tgtatatttc
41701 targaattta tgcacttcta aattatccaa ttgttgaca tataattaac tgttgatggg
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42001 ggggtgtagtt tttttctctt cctagtttcc tgagggtataa agtttaggttg ttgatttgca
42061 aactttcttc tacttctttt ttttttttcc ttaagttgtg gagatggggg ctgtctttgt
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42241 tatttatagc tataaaattc tctgttagca ctgcttctgc tgcactttac acattttggg
42301 acattgtatt tttattttcc tttatctcaa gatattttct aacttccctt gtgatttctt
42361 ttttgaccca ttgcttggtg aaaactgtgt tgtttaattt tcacatatatt tgaattttt
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42481 tataatttca atctttttaa atttggtaca agtttttttg tggataaca tgtgatttat
42541 ctttggggaat attccatgta aacttgagaa aaatactatt ctgattttat tgggtggaat
42601 gttctgcaca tgtttggttag cactatttat agtgttgttc aagtactgta tttccttctc
42661 gattttctgt cttgttggtc tagccattat tgtaagttag gaattgaagt cgcctaccat
42721 tattatgctg tttatgtttc ctctctgac tgctaatgtt tgcttcagat atttaggagc
42781 tctgggtata gaggtatata ttttgttaatt ttttatatct ttctgctgaa ttgacttttt
42841 gttatataat atccattttt ttgtcttgtg actatttttg actttaagtc tattttgttg

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FIGURE 4 (cont.'d)

42901	gatagtagta	tagtcacttc	tgcttgcttt	tatttaccat	ttgcatggca	tttacttttc
42961	ctttttttca	ttttaagcat	atttgtttct	tagacctaaa	tgacaggata	aagttggatc
43021	cttttttacia	atccattttc	cagtctatat	cttttgattc	aggagtttaa	tccattttaca
43081	tttaaagtaa	ttactgatag	ggaaggacct	acacttgcca	ttttgttggt	tccgtgatgt
43141	tttgtaaatt	ttgtttttta	ttccttctct	tactgacctc	ttttgggttt	tgctgatttt
43201	tttttggtgt	gacattttga	ttcccttctc	gtttcctttt	gtgtgtattc	tatagatttt
43261	tttatgggta	ccataagaat	tataaaaaac	atcttaaagt	gttaacaagc	tattttaaac
43321	tgtaaagaga	ataacttcga	ctgtgtacaa	aaactatttc	ttcaaagctc	ctaccctcac
43381	cttaggttac	ttatgtcaca	agttacatct	tcatatgtaa	tgtattcatt	aacacagttt
43441	tatagttatt	tttaagcttt	tgtcttgtaa	attctataca	agaattaaaa	gtgcatttat
43501	gtacaaaaac	tgcatagtac	agtctctata	tatgtccata	tatttatctt	tactggagag
43561	ctttatatatt	tcataagact	tcagtgtact	atttagcatc	cttttgtttc	aacttgcaag
43621	atactacagc	aggtccagtg	gtaatgaact	ccccagtttt	tgttcatctc	ggaaaggctg
43681	atttttctct	tatgtttgaa	ggatgggttt	gctggatata	atatttttgg	ttgaaatttt
43741	cttttctttc	agctctttga	atatattatc	cccctgcctt	ctggcctgca	agggttctgt
43801	tgataaatcc	actgataaatt	ttataaaggc	ttcctttttac	atgacaagtt	actttctttt
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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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55801	gcgtctctcc	ctcgaaaaaca	gtgctgtcca	atagacatat	aatgctaccc	cacactgga
55861	attgtatata	ttcaggaagc	catattaata	aaaataaaa	gaaacaggtg	aaatgccggt
55921	gaataatata	attttatttt	acccaatata	tccagaatat	tatcacttca	acatgaaacc
55981	aatctaaaac	tattaaatga	gatatttcac	attccccacc	tccttattct	aagtcttaaa
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FIGURE 4 (cont.'d)

56101	gctccagagc	cctgggtggcc	agtgggtcca	ccctgggtcag	agagacccca	gaagcctcag
56161	cactccctga	ggaccaagga	ggggggaggg	aggagggaga	gcagagtgtg	acttgcacat
56221	taggcgtgcc	tgtctgttta	tacttgagat	tagttggctg	cttttaaata	ccagacagtt
56281	tcacataaaa	at ttgaatga	cctgggttttc	ttgaaaaatt	agaagggtctc	agaactctgc
56341	accaggttc	tcacagaact	acgctcttgt	ccctttttaca	gagtcccgagc	tctcagggtc
56401	cccactgcc	cacccgtttg	catgagatgc	ctggggccact	gatacctgat	ctgtgccta
56461	gaatgctggg	ctgcctggca	tgctctgaga	cactttctga	catgtcccca	catgctctga
56521	catgttcctg	atggctctgg	gacactgaca	tgttcctgat	ggctctggga	cactgacatg
56581	ttcctgacat	cctctggggc	cgaggagccc	ccctgttgtg	tgctaggggc	tttaccatg
56641	ctatctcact	taatcctcac	tttgaccctg	caaggcagat	attccttgct	gtaccattt
56701	tacatggggg	gaaactgagg	ctccagctgg	tttagcagct	ctcccaagtc	acacagtagg
56761	taaagagctc	agccggcaac	atgatattga	acaggcaaaa	attggaagca	atccccctaa
56821	aaactggaac	aagacaagga	tgtccactct	caccctcct	attcaataga	gtactggaag
56881	tcctagtcag	agcaattagg	caagagaaag	aaataaaaagg	gatccaaatg	aaaaaaaaaa
56941	aaaggaagag	tcaaattatc	ttgtttcatc	catgatatga	ttctatacct	agaaaacctt
57001	gaagattcct	ccaaaagact	cctagacttg	ataaacaact	tcagtaaagt	ctcaatgtta
57061	taagtaaaat	gcttggttag	aaacagaatg	cttggttctc	ggtactgcaa	ggaaaaatca
57121	gcatttagac	aaaaagtttt	tttagcaagc	caattttact	ttctgcagaa	aggggtgctcc
57181	tcgcagatgg	aacaatggcg	agagcacacc	tgaataatgg	agagaagcaa	tttttattcc
57241	ttacgcagct	tgtccctgct	accgtgtcct	gtctccattg	gctggagcca	aacctcacag
57301	tctaaactaa	aacccgactg	gctaataact	taaaactttt	ctaaataggt	ataaacagtg
57361	gaaagacaaa	ggaaaagagg	aagttgttta	tgaaggact	tagaaaagta	ataacatttc
57421	caaataagga	aggggcatgg	gctgcaagct	gggacatgcc	tgtgagcacg	tccagcacaa
57481	atatcttggg	taaagtacaa	ggacatagaa	tgtactcatt	cccttatatc	taacagctac
57541	atatgatagg	gcttaacaaa	aagttattag	cacaaagcga	aaaggcttaa	aaaaagttag
57601	tcttttagaaa	aaactattat	ttctaacaca	taattttactc	cttaacaaaa	aaaaaacttt
57661	tgactttcta	cactcaagat	acaaaatcag	tgtacaaaaa	tcagtagcat	ttctttttat
57721	ttgagacgga	gtctcactat	caccagggct	ggagtgcagt	ggtgtgacg	cagctcactg
57781	caacctccgc	ctcccagggt	caagaaattc	tctgcctca	gcctcccaag	tagctgggat
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58201	aaaattgaaa	aacatcccag	ctaattgggt	ggaagaaagc	aatctacaga	tacaacacaa
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58381	ggcatcacat	tacctgactt	caaactatac	tacaagacta	cagtaacaaa	aacagcatgg
58441	tatactggta	caaaaatagg	cacagagatc	aatggaacag	aacagagaac	ccagaaataa
58501	agccatatac	ctgcaaccaa	ctgatttttg	acaaaatcaa	caaaaataaa	caataaggaa
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58981	acaggaacag	acacttctca	aaagaagaca	tacaagtggc	caacaaacat	atgaaaaaat
59041	gcccacatc	actaatcatc	agagaaatgc	aaattaaaaac	cacaaaggga	taccagtcag
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59161	atgcttacac	actgttgggt	gcagtgtaaa	ttacttccat	ccctgtggaa	agcagtttgg
59221	agattttgca	aagaactgca	aatagaatta	ccagttgacc	caacaacccc	attactgtgt
59281	acctacccaa	aggaaaagaa	attgttttac	caaaaggaca	taggcacaca	tatgtttatt
59341	gcagcactgt	tcacaatatc	aaaatcatgt	aatcaacctc	ggtgcccac	aatagtggca

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FIGURE 4 (cont.'d)

59401	ccagataaag	aaaatgtgat	acatgtactc	caaggaatac	tacatagcca	taaaaaagaa
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59521	cttaagtga	ttaaccacaga	aacagaaaaat	cgaatactgc	atgttcttat	ttataagtgg
59581	gagctaagca	ttgtgtacac	atgggcataa	aagtgggaac	aaaagacact	ggggactcca
59641	ggaaggggag	ggaggggagga	aagggttgaa	aaactgggta	ttgggtacta	tgctcagtat
59701	ttgagtgatg	ggttcaatag	aagcctaacc	ccagcattat	gcaatataac	catgtaacaa
59761	acctgcacat	gtacctgaat	ctaaaatttt	atatattaaa	aaaaaaaaaa	ctgttctgac
59821	cagtaaaaaa	agagctgaat	gaggatgggc	ccagtgcctc	gcctatttca	gcccactact
59881	ctccctttctg	cttctcttca	cctcccgcc	tgaccgggccc	tcacctgccc	atctccttga
59941	gctcttgtac	cactgagctg	ggccttcccc	aacctatcct	tcacatcctc	ccactcctgt
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60301	tctttgtttt	gtcacctgt	ccccactgg	gccatcactg	tgttcctacc	tggtagact
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60421	taagtgagac	catgcccatt	gccttagcag	tttgaaggag	ctatttgtat	acgacagata
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62281	ataacttctt	ggtttctctt	tccttctaaa	agtcttctga	gtgtctgcgt	aattagtttt
62341	tctaaattcg	tttacttttt	tcttttacta	tttacttcca	tctgaatttt	tctttttctt
62401	cttaagcaac	tcctctacat	gatgagattt	atttttgtaa	atggcatgac	agagcagtc
62461	aattttaatt	tcttctcatg	caaaggcagt	gtgatagcat	cattaaaaata	atatcccttt
62521	ttcactgagt	tgaaaaacct	ccatttgtgat	acactgaatt	cctctgtggg	ggagtccatt
62581	tctggatctt	actctatact	gtcccccaat	tctctctgtt	ttcaagcaca	gtgtctgctt
62641	aacagtaacc	ttacaaatcc	agcaaggaaa	gtgttccttc	tgtgttttct	tttacttttt

FIGURE 4 (cont.'d)

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62821	agcagttggg	attacaggca	tgcgccacca	tacctaattt	tttctattaa	tttttttttt
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62941	aaaaaatttt	tgactatgct	agatttcttt	ttccatatga	atctttcaat	tttttaattg
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63961	taaactttat	ccttatgggt	ataataaatt	atggtggtag	ctctcttgat	attgaaatat
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64081	cgctaataatc	acctttagtt	ttcttttaaa	tctttattta	atacttggat	tggctctcag
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65881	ccggtggaca	taagaactca	catcatcatc	aaagggtggc	taccaggact	ggcctgggtc
65941	ctgaccccag	aacccatggt	gcccctcagt	ggtcttggct	tccagcttag	tccacagctt



FIGURE 4 (cont.'d)

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67861 gtttctctggg ttccttccgg acacgtgcat ctcatttaac ctaacaactg aatccggtgt
67921 gtcttcgtgg atgcaccgcg tttggggtag ctcagtactg catagaatgg ccggaccagt
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68101 gcagacaatc tccttggtca aagaatattg atactgaatt gccctccaca aactaaattc
68161 aaaatcccat tatcaatagc ctatgtttct tggaccttcc cagctcagaa gctttgtgat
68221 cttaatccaa tacagtattt ttttaaaatg atatctagct ctgccccgca gacatctgtg
68281 tgagaatgca aataagcaca ggaccccaac agggcagcca ccccttcagg ctccctggcc
68341 cgctttctgc cttcctgggc tggagaggcc agtgctggcc ccagcgcccc tgatgggagg
68401 tgagagtgtc gcgcaggggg ggcccaagac agcaggatac catggctgca aacaccagca
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68761 gggcatgtac ccagaagagc attttatcga gaagcctgtg aaggaaagcca tggcccgatt
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68881 gccatattac tacttgtccc cagaccggat tccgaacagt gtggccatct gagcacactg
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69121 cattctacac agagcaggac tgcacagcgt cctgtccaca cccagctcag catttccaca
69181 ccaagcagca acagcaaac acgaccactg atagatgtct attcttgttg gagacatggg
69241 atgattattt tctgttctat ttgtgcttag tccaattcct tgcacatagt aggtacccaa
```

# FIGURE 4 (cont.'d)

69301	ttcaattact	attgaatgaa	ttaagaattg	gttgccataa	aaataaatca	gttcatttaa
69361	aatgggtctt	gttccatgtg	ttatatccca	atcaccccaa	acagctcact	gccatctccc
69421	acaccaagag	aaaaaaaaag	ccatagtcac	cgtgatttta	tcaaggcaaa	agcctcccca
69481	cccaagtctg	gatagaaggt	gctttttccc	tcaagcagtg	tctactctct	ttggaacaca
69541	tcccaaagt	caccacctct	gggaaggcat	ccttggttcc	tgtctctacc	ctggatttgt
69601	cagaacctct	gttcttgccc	cctctgtggt	ctctcccttg	ggacaggagc	ccctggaagg
69661	acagaaaacc	cactttattt	atgtctgtgc	cccagggtctg	gcataaggca	ccagcactca
69721	gctgttctct	ccttttcctc	ctggaagggc	acctagctaa	tggatattag	gcattgtctt
69781	gggagctggg	ggcttatttt	ttcctgaggc	agggttctta	acatgacata	aaaaataaaa
69841	atgggcaggg	cgcggtggct	cacgcctgta	atcccagcat	tttgggaggc	caagggtggga
69901	ggatcatttg	aggtcagaat	tcaagaccag	cctggccaac	acggtgaaac	cccctctcta
69961	ctgaaaatac	aaaaattagc	caggcatggt	agcaggtacc	tgtaatccca	gctactcagg
70021	aggctgaggc	aggaaaattg	catgaacctg	ggagacagag	gttgacagaga	gtggatatcg
70081	caccactgca	ctccagcctg	ggcaatagag	cgagactctg	tctcaaatag	ttaataaata
70141	aataaattaa	attaaataaa	aacgcattct	ctttcccccag	ccccaaagt	cagagcccg
70201	tctgagcctg	ggcatggtga	cccattctcc	tcgtgctcac	atgccccatg	ccagccctc
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70321	gtgtggcagg	ccatcagctc	agtgtctggg	taaaggcttc	tacagggcca	gcatggcata
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70561	atggtagagg	cattcagctc	catgccactg	tgagaatgaa	cataccaact	tttaggcaac
70621	aaggccatgt	ggtcaaggag	agaggagaaa	cgaataggag	taggcagggg	tggtgaagca
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70741	gaacctctga	aaaagtctca	tgccagctaa	tgaagagtcc	tcaaagtcac	catcacagaa
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70861	cgtgtggcag	ctgagatcgt	cagttaatta	tgttctctgc	agctgggtcct	tctggttccc
70921	tggagctggg	tatctgagta	gcacagctcc	actgctacca	caggagaggg	agaatcccaa
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71221	gtctgtctcc	aagaggatgc	cctctgtgct	gtgtcctcac	ccagcagaag	agcaaaaaag
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71341	ctcaagaatt	aatcatttct	caaaaggccc	ctcctcctaa	tgccatcacc	ttgggggtta
71401	agttccaaca	catgattttt	ggaaggacac	atacattcaa	atcattgac	aaccaaagt
71461	atatttgaac	tttcaaatag	tttgacgttt	gagatcaact	aagtttaattg	cttcttgaa
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71761	tcctggccaa	cacagtgaat	ccctgtctct	actaaaaatg	caaaaattag	ctgttgagac
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72001	aagtcataca	atggtacact	tcagatgtac	gcatgtcact	gtatgtaaat	attaccccaa
72061	aatcaacaag	aaccatgagc	aaatactgac	ttctagtga	cgacatgcat	actgaaactt
72121	tcgtagtga	gtataattat	ggctgcagtt	gactctgaaa	tacataaaaa	cctaagttga
72181	tgggtgaata	cagtgattaa	tagatagaaa	tctgtggtaa	agcatacgga	gaaaaatgtt
72241	aattgtagat	tctagggttt	atatatatatt	tcactatata	attaaacggt	tttatgttta
72301	aaaattttta	taatgttgaa	aaacctagaa	atcctaccta	acgcagtaag	acagaaaaaa
72361	gagataaaa	gtatatgtac	tgggaagtga	gaaataaaac	cgtcttttgt	agcagatgac
72421	atgctcatct	atgtagaaaa	tccaaaagaa	tggataaaga	aactcctgga	actaataagt
72481	ggttacagta	aggttgtagg	atacaagggt	aatatacaaa	agtcaatcac	tctcttattc
72541	accagtaatg	aacaagtgga	aattgaaatt	caaaacaaaa	tactattttac	attaatactc

FIGURE 4 (cont.'d)

72601	caaaaaataca	tacttaggtt	taaatcta	aaaatacata	caagatcttt	atgaggaaaa
72661	ctgcaaccct	gatgacagaa	atcaaagaga	aactaaagaa	atagacataa	gtaaatattc
72721	cccagaaaga	ctcaatattg	tcaagatgtc	agttcttcaa	aacttgacct	atagattcaa
72781	tgcaatccta	atcaaaatct	cagcaagtta	tgttgtggat	actgacaaac	ttattctttt
72841	tttttttttt	tttttttttg	agacggagtt	tcgctctggt	gcccaggctg	gagtgacgtg
72901	gcgcgatctc	gactcactgc	aagctccgcc	tcccgggttc	acgccattct	cctgcctcag
72961	cctcccatgt	agctgggact	acaggcacgc	gccaccatgc	ccggctaatt	tttgtatttt
73021	tagtagagac	gggggtttcac	cgtggttagc	aggatggtct	cgatctcctg	acctcgtgat
73081	ccaccctgtc	cggcctccca	aagtgtctggg	attacaggcg	tgagccaccg	cgcccgcca
73141	acttattcta	aaatttagat	aggggaagcaa	aagaccaga	acagctaaca	caacaatata
73201	gtaggaaaac	aacaaatttg	gaaaatggat	actaccaaac	tccaagactt	actataaagc
73261	tacagtaatc	aagatagtgc	cgtatttggtg	aaagaataga	caaatagatc	aatggaacag
73321	aatagagagc	ctaagaaata	gaccttcata	aatacagtca	actcatcctt	gacaaagtag
73381	catagacact	acaatggagc	aaagattgtc	ttttcaacaa	gtggtgcagg	aacaactgga
73441	tatccacatg	caaaaacaaa	caaacaagca	tgaatctaga	tacagacctt	atgctcttca
73501	caaaaattaa	ctcaaaatgg	attatagatc	taaatgtaaa	attcaaaact	ataaaattcc
73561	cataacatag	gataaaatct	agatgaccta	ggtatggcta	tgacttttta	gacataacac
73621	caaagccatg	gtccatgaaa	gaaataattg	gtaagttgga	cttaattaaa	attaaaacct
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73741	aaagaattgt	tacttaaatt	atacaaagcc	ttcttaaact	taacagtaag	gaaacaatct
73801	gattgaaaaa	tgggcccagg	actttaacaa	acaaaagaag	atatacaaat	ggcaagtaag
73861	tatgtgaaaa	gaagctgcac	agctgggggg	cgtggtggct	cacgccttta	atcccagcac
73921	tttgggaggt	caaggcgggc	agatcacctg	aggtcaagag	accagcctgt	ccaacatgga
73981	aaaacctgtc	tctactaaaa	atataaaatg	agctaggcat	ggtgatgcac	gctgtcatc
74041	ccagctactt	gggaagctga	ggcaggagaa	tcgcttgaac	ccggaagggtg	gaggttgacg
74101	tgagccaaga	tcgcgccatt	gcactccagc	ctgggcaaca	agagtaaaac	tctgtctcaa
74161	gaaaaaaaaa	aaaaagctgc	acattctatg	ttatcaggga	aatgcaaatt	tagaataacg
74221	caataacaag	ataccactac	atacatatta	gaatggccaa	aattgagaac	actgacagca
74281	ccaaatgtgg	aggaggatgt	ggagcaacag	gaactagaga	gaatgcaaaa	tggatatagc
74341	acttaggaag	acagcttggc	agtttcttac	aaaactaaat	atactcttac	cacacaatcc
74401	agcaatcaca	ctccttggtg	tttactttaca	tcccaacaaa	aaccctcata	tggatgtcta
74461	gagcagcttt	gttcataatt	gtcaaaactt	ggaagcaacc	aaagatgccc	ttcggtaggt
74521	gagtaataaa	ataatatcca	gacaatggaa	ataccattca	gtactaaaga	gaaatgagct
74581	atcaagccat	gaaaaggcgt	ggaagaaact	gaagtgtgta	tcactaaaag	tcaatctgaa
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74701	aaaaagattg	ccaggggcta	gggcagtggtg	agggatgaat	aggcagggca	cagaggattt
74761	tcaggggcaat	aacactactc	tgtatgacac	tataatgttg	gatacatggc	cagatccaca
74821	gaatgtagaa	caccaagagt	gaaccttgaa	ctatggactt	tgagtgtgta	ggatgagtc
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74941	ggggggctgt	acatgtgtag	ggacaggagt	aaatgggaaa	tctctacttt	tgttaccggg
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75061	gaagcaacaa	aagcagagat	ttattgaaaa	cgaaagtaca	ctccacaggg	tgggagcagg
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75181	aggtttccat	tggttacttg	gtgtataccc	tacgcaaatg	aagaggatga	agggaggtta
75241	caaagtattt	tacttggtgt	agaaaattag	ggtttttccc	ttttatttag	ttgtagggaag
75301	cccttaggtt	acctgcctcc	agaccctatt	ctcctgcctc	attttattcc	taattttgtt
75361	gtgaacctaa	aattgctcta	aaaaatgaaa	tctttttaa	aagaaaataa	acttataaat
75421	tgcaaatatg	tgtcacttac	ataaaaacaa	agaattagtg	tccctacatc	aggaaaaaaa
75481	cacctataat	tcaatgtaaa	aatgcaaaaa	agccaagaga	aatggccaag	ccatggaaat
75541	tcacagaagt	agaaataggc	agtaaaataa	caatgctcaa	tttcatttat	ctgagaaatg
75601	gagagtaaaa	cttcagtgac	atacaaaagga	gtaacaatca	tttttaggaac	aattttaaaa
75661	ataaacactt	tgatgtggct	caggaaagat	tcatattctc	actgtaggaa	ggttaagtga
75721	tcatttttag	ggtcagtttt	gcaacttaga	agatcaaatg	catctaccct	ttttctactt
75781	ctagaaatgt	atcttcagaa	gtgccctccc	ctccctcaca	cacccccaa	tgtacaaaaa
75841	taaatgacat	ggatgtggac	tcgagccttg	tttctaatac	caaaaatcag	taaacaacct

1007141.020702

FIGURE 4 (cont.'d)

1007141-020702

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75961 atgcctgggt tctaacatag aaaatatcaa actggttggt agatgaaaa agcaagttgc
76021 aaagtggagg aatgtgtaaa tgcagtaagc aaaatacatc atatatatag tactttctat
76081 gtattttacct atatgagcgt gatgcctcca actgcatagc tgtggctccg ggagcaggac
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FIGURE 4 (cont.'d)

79201	ggtgggatgc	ccaggggctg	tccctaccta	agcactttct	tgtctacagg	aagtcttggg
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79321	ctatcctggg	cttcacctga	aacactcate	tactgctggg	tggcaggaac	aagtatacaa
79381	aaccaggggc	cttgccctgg	cagttcctaa	gggacattgg	cagggctgac	ctgggattca
79441	gctccctga	gtggacagtc	tgtggttgcc	tgggggtccc	aggctgagaa	gggggatggg
79501	taattgcact	tcggggcaca	gtgaacacag	gcacgggctg	gatgtgccct	gggagacaga
79561	aaggagaggc	tgacctattc	tcaggagctg	gctatggctg	gacagtgcct	gcccggccag
79621	aggaaggcca	cagcagagcc	actccacaga	ctaagacctg	tgttgccaag	gaatcagaca
79681	ctggccttga	ggagacagga	ggacaaagcc	tgctgctatt	aagcccacac	cgtagcttag
79741	agatccttca	gcctcctggc	cttcaaaaaca	aactccaggg	cttcacctct	gaaaggcaaa
79801	ggaatcacct	cgtgttttgc	tcatccccct	agcaggatga	acgaaacgcc	taaggcccaa
79861	aaagactgag	ggcaggaccc	ccagcatctc	ccatctcctc	cgtgcaggct	gggtgagaga
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81781	taggattcct	ggaagggaag	aactcagcct	attagatttt	atttaagata	tgtcttcacc
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81901	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnngcggtga
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82081	tgagaagaag	gtcattggta	gcttgatggg	gatggcaatg	actctataaa	ttaccttggg
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82381	tgattttttac	acattgattt	tgtatactga	gactctgctg	aagttgccta	tcagcttaag
82441	gagatttttg	gctgagacga	tgggggttttc	taggtataca	atcatgtcat	ctgcagacag



FIGURE 4 (cont.'d)

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82621	tcttgtgcca	gttttcaaag	ggaatgcttc	cagtttttgc	ccatgatgta	tgatattggc
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82801	tgaataatc	atgtgggttt	tgtcattggt	tctgtttgta	tactgggtta	catttattga
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85261	tctaaacttc	tcttcatgct	tcatttcatt	gatttgattt	tccatcccca	atacccttct
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85501	tactcagag	tagtttgatc	atctgaagcc	ttcttctctc	aactcgtcaa	agtcattctc
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FIGURE 4 (cont.'d)

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88981	ctaagtccct	ccatttgccc	tttcccacca	taataggcct	caccctacca	gtcagggagc
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FIGURE 4 (cont.'d)

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89221	gacgttttga	gtcccttaga	attaacgtca	gctcagagct	agtgtcctgt	aatcccccaa
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91921	atttggttaa	tttagccaat	atatacaagt	ctgcatttgg	ggatgggtaa	ttgaatgcca
91981	tttttaattt	ttgggtaatt	gagacttttt	ttatgttgcc	tttatatttg	atccataact
92041	aggctatgta	gtacatttct	gggtcaaatc	tctatttgct	taaaactttg	tggttttgct
92101	tcattatctc	ctagtatcta	cagttactga	agtgatacgt	acaaccagct	ttggacatga
92161	tgaatgtttt	aggctaaaga	cttgggtggt	ctttggtctt	tgggaagttt	ctttaatact
92221	ctcttttaaa	ttgtctgatt	ccacttcttg	gttccctttt	caggaacacc	aagtattcac
92281	acagtggata	gtcatctgtc	ctctacttct	aaaattttgt	tatttaacaa	aatgttataa
92341	aagtagaatc	acatttatgt	aacctttttg	gattgatgtt	ttttgctcag	cataatttcc

FIGURE 4 (cont.'d)

92401	tggcaatcca	tccaagttgt	tgcattgcac	aatcatccat	tcctttacat	tgctaagtag
92461	tattccatgc	tatgtattta	caacagtttg	tttaccatt	cacctgtga	aaaacatctt
92521	ggctgaatct	agttcttagc	tattaatatt	ataaacaag	atgctataaa	catttgtttg
92581	acagtttttt	gtgtgaagtt	tttatttttc	tgggataaat	gcctgggagt	gcaattgctg
92641	ggcatatga	tagttgtgtg	tttttctttg	agaaactccc	aaaatttccc	agagtggatg
92701	aagtatttta	tgtttctatc	agtaatgtat	cagtgatccg	gtttctacac	atccttacca
92761	gcatttggtg	gtgtcatgat	ttttaatttt	agccattctg	atagatgagt	agtgatagct
92821	tattgttggt	tcaatttgca	tttccctaaa	acctaataat	tttgaacatc	ttttcatgtg
92881	attatttgct	gtccatgaaa	tatctgtgga	aacagtgagt	agaaggatgc	tttccacagt
92941	ctgagaagga	cagctgggag	aggtggatga	agagagggtg	gtatatgggt	acaaaaatac
93001	aattaagacc	tctgggtccat	gctgggcaca	gtggctcatg	cctgcaatcc	cagcactttg
93061	ggaggccaaa	gcgggtggat	cacctgaggt	caggagctta	agaccagctt	ggccaacatg
93121	gtgaaaccct	gtctctactg	aacatacaaa	aattagccgg	gcatggtggt	gcgtgacctg
93181	aatcccagct	actcaggagg	ctgaggtggg	agaatcactt	aaaccggga	ggcgaagttt
93241	gcagtaagcc	gaggtcacac	cactgcactc	cagcctgggc	aacagagcac	tccagccggg
93301	gcaacagagc	aagactctgt	ctcaaaaaaa	taaaataaaa	taaagtaaaa	caaaataaag
93361	agttccaatc	cagcagagag	tgtggtgaga	tgggtgcggg	ccagctccct	gggacttctg
93421	agcctttgcc	ctggccagtg	ggggagctga	gccaggatag	gctgtagcct	ctgccccgtg
93481	acaccaggac	ccttggtggtg	gctgccacca	ggacccttgg	ggtgggtgcc	tgggccttga
93541	agatgcagca	agcctccctt	ccccctacac	ctcagtgaat	gaggtggtg	gtggcctttc
93601	ccaggccgca	ccctgccggg	tatagacgaa	ctccccactg	agcctggatg	cagtgccttt
93661	gggtggtggt	gggagtgcca	ggggcagctt	ggtgactatc	cgggtgtgag	gatttggaag
93721	gtgctcttgg	gatgcaggac	acgggctcag	ccacctcttt	aggccatggc	gctgccagat
93781	ccgggtcctg	gtgaccactc	tgtcccagct	gggtgagact	tacctagtcc	tgaggacaac
93841	agacaatggc	cttaatatgg	ctggaaggtg	agtggaggca	cagaggagga	cagtgtggaa
93901	cagtttagcag	gcattgggct	gttgggtctt	cttctaccag	acctggaagg	acctcacatt
93961	tggcctatgg	gaaatgcccg	ccacactttg	ggaagattta	ctatctgctt	ctagaaggct
94021	gtgtgtatat	tatgaaaaag	ctattctcaa	ctcccccca	accttttaat	agataacatc
94081	tgtggggagg	ctgacaagat	ggctgaatag	aaacagctca	ggtgtgcagc	tcacagtggg
94141	atcaatgcag	aagggtgggtg	atttctgcac	ttccaactga	ggtacctggc	tcactctatt
94201	tggactgggt	agacagtggg	tgcagcccat	ggagggtgaa	ctgaggcagg	gtgggggtgt
94261	gcctcacctg	ggaagtgcga	ggggctcaga	aactcccctg	ttagccaagg	gaagctgtaa
94321	ggagctgtgc	catgaggagt	ggtgcatttc	agcccagata	ctatgctttt	cccatgggtc
94381	ttgcaaccca	cagaccagga	gattcccttc	agtgtttatg	ccaccagggt	cttgggtttc
94441	aagcacaana	ctgggtggcc	atttgggtag	acaccaagg	agctgcagga	gtcttttttc
94501	ataccccagg	gatgcctgga	atgtcagcga	gacagaacca	ttcactcccc	tggaaagggg
94561	gccgaagcca	gggaaccagg	tgggtcagct	cagtggatcc	cacccccatg	gagcccagca
94621	agctaagatc	cactggcttg	aaattcttgc	tgccagcaca	gtagtctgaa	gttgacctgg
94681	gatgctggag	cttgggtatg	ggagggggcg	ctgccattac	tgaggcttga	gtaggcagtg
94741	ttcctctcac	agtgtaaaac	aaactgcaag	gaagttccaa	ctgggtggaa	cacaccacag
94801	cgctgccagg	ctgctgtagc	aagactgcct	ctctagattc	ctcctgtctg	ggcagggcat
94861	ctctgaaaaa	aaggcagaag	ccccagtcag	ggacttatag	ataaaactcc	catctctctg
94921	ggacagagca	cctgggggaa	ggggcagctg	tgggtgcagc	ttcagcagat	tttaacatcc
94981	ctgcctgcca	gctctgaaga	gagcagtgga	tctcccagca	cagtgtttga	gcagactgcc
95041	acctcaagtg	ggtccctgac	cccctggcct	cctgaccggg	agataccttc	cagaagaagc
95101	caacagacac	ctcacacaag	agagctccag	ctggcatctg	gcaggtgccc	ctctgggaca
95161	aagctttcag	aggaaaggaac	aggcagcaat	ctttgctgtt	ctgcagcctc	cactgggtgat
95221	acccaggcaa	acaaggtctg	aagtagatgt	ccagcacact	ccagcagacc	tgcagcagag
95281	aggcctgact	gttagaagaa	aaactaaca	acagaaagga	atagcatcaa	catcaacaaa
95341	aaggacatcc	actcagaaac	ccatccaaa	ggtcaccaac	atcaaacaca	aaaggtaggt
95401	aaatccatga	agatggggag	aaaccagcac	aaaaaggctg	aaaattccaa	aaaccagaat
95461	gcctcttctt	ctccaaaaaa	tcacaacttc	tcaccatcaa	gggaacaaaa	ctggatggag
95521	aatgaatttg	atgaattggc	agaagtaggc	ttcaaagggtg	gataataaca	aactcctctg
95581	agctaaagga	gaatgttcta	acccaacgca	aggaagcaaa	gaaacttgaa	aaaagattag
95641	atgaattgct	aactagaata	acgagtttag	agaagaacat	aaatgacctg	atggagctga

FIGURE 4 (cont.'d)

95701	aaaacacagc	acaagaactt	agtgaagcat	acacacatat	caatagctga	atcgatcaag
95761	tggaagaaag	gatatcagag	attgaagatc	aacttgcaga	aacctataa	gccagaagag
95821	actagggggc	aatattcaac	attcttaaa	aaaagaattt	tcaatgctga	atttcatatc
95881	cagccaaact	aagcttcata	agtgaaggag	aaataaaatt	ctttacagac	aagcaaattg
95941	gagacatttt	gtcgtcacca	cgcttgcatt	acaagagctc	ctgaagggag	caataagcat
96001	ggaaaggaaa	aaatggtgcc	agccactgca	aaaacatgcc	aaatggtaaa	gaccatcaac
96061	gctatgaaga	aactgcatca	agtaatgggc	aaaataacca	gctagcatca	taatgatagg
96121	atcaaattta	cacataacat	attaacctta	aatgtaaatg	ggctaaatgc	cccaattaaa
96181	agacacagac	tggcaacatg	gataaagagt	caagacccat	cagtgtgcag	tattcaggag
96241	acccatctca	catgcaaaaa	cacacatagg	cccaaaataa	agggatggag	gaatatttac
96301	caagcaaattg	gaaagcaaaa	aacaaacaaa	caaacaaaca	aacaaacaaa	caggggttgc
96361	aatcatagtc	tctgataaaa	cagactttta	accaacaaa	atcaaaagag	aaaaagaaag
96421	ccattacata	gtggctaaga	agagctaaat	atcctaaata	tacatgcacc	caatacagga
96481	gcaccagat	tcataaggca	agttcttaaa	cacctacaag	gagacttaga	ctcccacaca
96541	ataaatgtgg	gagattttta	tacccactg	tcaatatcag	acaggtcaat	gagacagaaa
96601	attaacaagg	atatctagga	attgaactca	gctccagact	aagcagacct	aatagacatc
96661	tatagaactc	tccaccccaa	atcaacagaa	tatacattct	tctcagcacc	acatcgactc
96721	tattctaaaa	ttgaccacat	aattggaagt	aaaacactcc	tcagcaaatg	cagaagaatg
96781	gaaatcataa	caaacagtct	ctcacaccac	agcgcaatta	aattagaatt	cagaattaag
96841	aaactcactc	aaaacctcac	acttacatgg	aaactgaaca	acctgtcctt	gaatgactgc
96901	tggataaata	atgaaatgaa	gaaggataaa	gatgttggtt	gaaaacaata	agaataattg
96961	accagaaact	ctgggcacata	tttaagcgag	tgtgtagagg	aaaattttata	gcagtaattg
97021	cctacaaaag	aacacaggaa	agatctaaaa	tgcacaccct	aacatcacaa	ttaaaagaac
97081	tagagaagca	agagcaaaca	aattcaaaag	ctagcagaaa	acaagagata	actaatatca
97141	gggcagaact	gaaagagata	gagacatgaa	aaacccttaa	aaatcaatta	atcgctctcc
97201	ctctccctct	ccctctccct	ctccgtctcc	ctctccgtct	ccctctcccc	acgggtctccc
97261	tctccctctc	tttccacggg	ctccctctga	tgccgagccg	aagctggact	gtactgctgc
97321	catctcggtc	cactgcaacc	tccctgcttg	attctcctgc	ctcagcctgc	cgagtctctg
97381	cgatccagg	tgcgcgccgc	cacgcctcgc	tggttttctc	tgcccgccca	gccgccccgt
97441	ccgggaggga	ggtaggaggt	cagccccccg	cccggccagc	cgccccatcc	gggagggtgag
97501	gggtgcctct	gcccggccgc	ccctactggg	aagtgaggag	cccctctgcc	cagccaccac
97561	cccgctctgg	aggtgtaccc	aacagctcat	tgagaagggg	ccatgatgac	aatggcgggt
97621	ttgtggaata	gaaagggggg	aaaggtgggg	aaaagattga	gaaatcggat	ggttgccgtg
97681	tctgtgtaga	agaagtaga	catgggagac	ttttcatttt	gttctgtact	aagaaaaatt
97741	cttctgccgt	gggatcctgt	ggatctgtga	ccttaccccc	aacctgtgc	tctctgaaac
97801	atgtgctgtg	tccactcatg	gttaaatgga	ttaaggggtg	tgcaagatgt	gtttgtgtaa
97861	acagatgctt	gaaggcagca	tgctccttaa	gagtcatcac	cactccctaa	tctcaagtac
97921	ccagggacac	aaacactgcg	gaaggcagca	gggtcctctg	cttgggaaaa	ccagagacct
97981	ttgttcactt	gtttatctgc	tgaccctccc	tccattattg	tcctatgacc	ctgccaaatc
98041	cccctctgcg	agaaacaccc	aagaatgatc	aataaaaaaa	taataaaaaa	aaaataaaaa
98101	taaaaataaa	taaaaataaa	aaagaaataa	acacaaataa	aatgttaaaa	ttcccattct
98161	acataaaaatc	atctatagat	gttttttaaa	atacaacatg	attatcaagg	acttaattctg
98221	taccacattc	ttgtagatgt	aaagttaaaa	ttcttgtaac	catcactctc	aacctatccc
98281	tatcttccag	cataaatgag	actttcacat	gttttctctt	gccagatggg	agacactaac
98341	tgtaggcttt	ggaaatgtct	taaaaaaaaa	aaaaaaaaaa	agagagccag	gcatcttcaa
98401	acagagaaaa	gctgtttgaa	cacatttatc	taagtctatc	aaaagctatg	attgttagca
98461	agaggtaacc	ttgtaatgcc	aaggcagaaa	actgccacca	aaccacaaaa	agcttggtca
98521	actgctgaac	ctaaaattaa	acaatttatc	tctcattaaa	aaaaaaaaat	caattaatcc
98581	aggagctggg	ttttttttta	agatcaacaa	aatagataga	ccactagcca	gactaataaa
98641	gaggaaaaga	gagaagagtc	aaatagacat	aataaaaaat	gataaaggag	atataccac
98701	tgcctccaca	gaaatacaac	ctaccatcag	agaatattat	aaacacctct	atgcaaataa
98761	accagaaaaat	ctagaagaaa	tggataaatt	cctggacaca	tacaccctcc	caagactaaa
98821	ccaggaagaa	gtcaaatccc	tgaataagcc	aataacaaac	tctgaaattg	agggtggaat
98881	taatagccta	ccaacccaaa	aaagtccagg	accagacgga	ttcacagctg	aattctacca
98941	gaggtacaaa	aggagctggg	accatttcct	ctgaaactat	tccaaacaat	agaaaaagag

FIGURE 4 (cont.'d)

99001	agaatctccc	taactcattt	tacgaggcca	gcatactcct	gataccaaaag	cctggcagag
99061	acacaacaaa	aaaagaaaat	ttcaggccga	aatcccta	gaatattgat	gcaaaaatcc
99121	tcagtaaaat	tctggcaaac	cgaatccagc	agcacatcaa	aaagcttatc	caccatgatc
99181	aagttggctt	catccctggg	atgcaaggct	ggttcaacat	atgcaaat	atgaacgtaa
99241	tgcatacat	aaacagaacc	aatgacaaaa	accatgtgat	tatctcaata	gatgcagaaa
99301	agaccttcga	caaaattcaa	cagcccttca	cgctaaaaac	tctcaataaa	ctagatattc
99361	atggaacatg	tctcaaaaca	atcagagcta	tttatgagaa	acccacagca	gccaatatca
99421	tactgaatgg	gcaaaaactg	gaagcattcc	ctttgaaaac	tggcataaga	caaggatgcc
99481	ctctctcacc	actcctattc	aacatagtat	tgggagttct	ggccagggca	atcaggcaac
99541	agaaagaaat	gaaggatatt	caattaggaa	aagaggaagt	caaattgtct	ctgtttgcag
99601	atgacatgac	tgtatattta	gaaaacccca	tcatctcagc	ccaaaatctc	cttaagctga
99661	taagcaactt	cagcaaaagtc	ttgggataca	aaatcaatgt	gcaaaaatca	caagcattcc
99721	tatacaccaa	taacagacaa	accgagagcc	aaatcacgag	tgaactccca	ttcacagt
99781	ctgcaaagag	aataaaaatac	ttaggaatcc	aacttacaag	ggatgtgaag	gacctcttca
99841	aggagaacta	caaatcactg	ctcaattgaca	tcagagagga	cacaaaacaaa	tggaaaaaca
99901	ttccatgctc	atggatagga	agaatcaata	tcgtgaaaat	ggccataata	tccaaagtaa
99961	tttatagatt	gaatgctatc	cccataagc	taccactgac	tttcttcaca	gaattggaaa
100021	aaactacttt	aaatttcata	tagaaccaaa	aaagagcctg	catagccaag	ccaatcttaa
100081	gcaaaaataa	caaagctgga	ggcatcacac	tacctgactt	taaactatac	tacatggctg
100141	cagtaaccaa	aacagcatgg	tactagtacc	aaaacagata	tatagacca	tggaaacagaa
100201	cagaggcctc	agaaataaca	ccacacatct	acaactatct	gatctttgac	aaacctgaca
100261	aaaacaagca	atggggaaaag	gattctctac	ttataaatg	gcattgggaa	aactgggttag
100321	ccatatgcag	aaagctgaaa	ctagatccct	tccttccact	gtatacaaaa	attaactcaa
100381	gatgggctaa	agacttaaat	gtaagacct	aaaccataaa	aaccctaaaa	gaaacatag
100441	gtaataccat	tcaggacata	ggcatgggca	aagacttcat	gactaaaaca	caaaaagcaa
100501	tggcaacaaa	agccaaaatt	gacaaatggg	atctaattaa	actaaggagc	ttctgcacag
100561	cgaaagtaac	taccatcaga	gtgaacaggc	aaccaacaga	atgggagaac	atttttgcaa
100621	tctatccatc	taacaaaagg	ctaatatcca	gaatctacaa	agaacttaaa	caaatttaca
100681	aaaacaagca	aacaattcca	tcaaaagt	ggatgaaggat	aagaaaagca	cactctcaaa
100741	agaagacatt	tatgcagtca	acaagcatag	gaaaaaaagc	tcatcatcac	tggtcattag
100801	agaagtgc	atcaaaaaca	caatgagata	ccatttcatg	ccagttagaa	tggccatcat
100861	taaaaagtca	agaaacaaca	gatactagag	agcatgtgga	gaaataggac	cacttttaca
100921	ctgttgggtg	gagtggaaat	tagttcaacc	attgtggaag	acagtgtggt	attcctcatc
100981	ttcaccacgg	ggtggaggta	cgnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
101041	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
101101	nnagaaacat	agaccctgcc	caacgcata	tctctgaaag	gatggcaagg	tttttttaaa
101161	ggttttatgg	gtttagggtg	actctaaagg	attttaaccc	ttctaaaatt	atttttgtat
101221	aaaggtgtaa	gaaagggatc	caacttcact	cttttacaaa	tgggaagcca	gtttttcccg
101281	gccccttttt	ttaaaaagga	ttccctttcc	cattggttgt	ttttttcaag	gttgtcaaa
101341	atcagaaggt	tgtagatgtg	ggttggtaat	ttttaggggt	ttgttttgg	cccattgggtc
101401	cataggtcgg	ttgtggtacc	agggccatgt	tgtttttgg	actgtaagcc	tcgtagtatg
101461	gtttgaagtc	aggtagcatg	atgcctccag	ctctgttctt	ttggcttagg	attgtcttgg
101521	caatgcgggc	tcttttttgg	gttccatatg	aactttaaag	tagtttttcc	caattctgtg
101581	cagaaagtca	ttggtagttt	gatggggatg	gcattgatct	ataaattacc	ttgggagtat
101641	ggccattttc	atgatattga	ttcttctat	ccatgagcat	ggaatgttct	tccatttgtt
101701	tgtgtcctct	tttattttgt	tgagcagtgg	ttttagtttc	tccttgaaga	ggctcttcac
101761	atcccttgta	agttggattc	ctaggatatt	tattctcttt	gaagcaattg	tgaatgggag
101821	ttcactcatg	atttggctgt	ctgtctgtta	ttggtatata	agaatgcttg	tgatttttgc
101881	acattgattt	tgtatcctga	gactttgctg	aagttcctta	tcagcttaag	gagattttgg
101941	gcttgagcga	tggggttttc	tagatataaa	atcatgtcat	ctacaaacag	ggacaatttg
102001	acttcctctt	ttcctaattg	aatacccttt	atttccttct	cctgcctgat	tgcctgggce
102061	agaacttcca	acactatggt	gaataggagt	ggtagagag	ggcatccctg	tcttgtgcca
102121	gttttcaaag	ggaatgcttc	cagtttttgc	tccttcagta	tgatattggc	tgtgggtctg
102181	tcataaatag	ctcttattat	tttgagatac	atcccatcaa	tacctaat	attgagagtt
102241	ttcagcatga	atggttgttg	aattttgtca	aaggcccttt	ctgcatctat	tgagataatc

FIGURE 4 (cont.'d)

102301	atgtgttttt	tgtcattgggt	tctgtttata	tgctagatta	catttattga	tttgcgtatg
102361	ttgaaccagc	cttccatccc	agggatgaag	cccacttgat	catgggtggat	aagctttctg
102421	atgtactgct	ggattcgggt	tgccagtatt	ttattgagga	ttttcgcatt	gatgttcac
102481	agggatattg	gtctaaaatt	ctctttgttt	gttgtgtgtc	tgccaggcct	tggtatcggg
102541	atgatgctgg	cctcatataa	tgagttaggg	aggattccct	ctttttctat	tgattggaat
102601	agtttcgcca	aactgacatg	atttttaaaa	ttccctatag	ggtcaatgtg	cagatttaaa
102661	gatccctaca	ctcagtagtc	ctgggatagg	gtcgggggat	ccatatgttt	aacaagcagc
102721	ctagagtctc	ccgatagcct	gggcaagctt	taaaaagccc	tgccgacatt	cggatgaaac
102781	aaaggtgcac	agaacctata	tctctgccat	ttattagctg	ggggccttag	gcaaggaagg
102841	tagtcaacct	ccgtattcct	cagttcctca	actgtaaaat	ggggatgatg	actgtggctc
102901	cctcgtgggg	ttgtgacgga	ggaacagggg	acatatgtcc	tgggatcagc	actggcaatt
102961	tggccattct	taccatagca	cctgccatct	tggtgacagc	ctggacacaa	agccttcaca
103021	cctttgaagt	ggccatagag	agcatgagat	atggatgggg	aggaggcatt	ccaactaaag
103081	acccctgctt	tgggccaaaa	acacatgtat	gtctggtgtc	tggagtcctc	tggttatgcc
103141	ttttttaaga	taccggttgt	cctgcaattg	tgctgtgaga	atccactcta	tgcccaaatc
103201	atcatcaaag	cgtttggctc	agctaggctg	ttcccccac	ccaaggaccc	catgaggaaa
103261	ggagtgaggg	ttccaccccc	agcaccagcc	actggagggg	ctgccagag	tcctcagtt
103321	ctcgtaaaact	tacgctttgg	agtaattcag	aacaaagtcc	actccttttt	cactatcaaa
103381	ctggatatca	cggggtaaat	ccttgtggca	tttggcatcg	atgctcaagg	ggaagccagg
103441	gttccactcc	atccatctga	gcatgagaaa	ggagaagaaa	ttgagttaaa	tgccagcctt
103501	tgggtctgccc	cctcagctga	gggcccgcga	cactgtcaga	cgatgttaca	cagggagatt
103561	gatgtactca	aaataaagtc	aacacatcat	aggctgacct	tgtgtccagc	aaggttctgg
103621	gacctcttcc	aaagtccagt	cgcaccaact	ttgctgtgcc	ctgagcatca	gagtggaac
103681	cctgagactg	ggcttatagt	ggtacagggtg	tgcaccactg	cataaaaagt	tctgtaggtta
103741	gtctagggag	acctcactta	ctagaggtga	cattgaacag	tagaggcctg	ccttgccagt
103801	cactggagggt	agaagggtatt	aaggctgccc	agccacgccc	aacctggaca	tccaccattc
103861	tgccaacttg	atcagtggtg	gccctggact	gcgtgcatgt	cctgcatgtg	gcatttgggg
103921	aaatgggaca	gttcttctgc	cttcacaata	ggacgacacg	gcagcagggtg	gcctggggaga
103981	gggacccagg	cacagatggc	taaaaggctt	ccctctctca	cctgctggcc	cctgcagct
104041	ttagagatta	ttacaatcaa	aacagcttcc	ccaaagacaa	gccacggact	gcattccagta
104101	aacatgctca	gatcctgaca	tccttgaaac	gtatcccgtg	gcattgggca	tttgtgtttt
104161	tgaaaaatgt	ttattttgct	tttttgttta	cttattgagt	aaacttaaat	tgtgaaaatg
104221	tcagagggtgt	ttgaaccaca	gcaactccat	cttgaatagg	ggctgggtta	aataaggctg
104281	agacctactg	ggcagcattc	ccaggagggtt	aggcattcta	agtcacagga	tgagacagga
104341	cattgatgca	agatacaggg	cagaaagacc	ttgctgataa	aatgggttgt	ggtaaaagaag
104401	ccggccaaaa	cccaacaaaa	ctaagatggt	gatgaaagtg	acctctgttc	atcctacca
104461	cctcattatat	gctaattata	atgcattagc	atgctaaaaag	aaactcccac	cagtgccatg
104521	acagttttaca	aatgccatag	taatgtcagg	aagttaccct	atatggtcta	aaaaagggag
104581	gaaccttcag	ttcctggaat	tgcccacccc	tctcctggaa	aactcatgaa	taatccactc
104641	attgttttagc	acatgatcac	gaagtgactg	taagtatgct	cagtcgagta	gcccattgcta
104701	ctgccttgcc	tatggagtag	cctttcttta	ttgctttact	ttcctaataa	acttgctttc
104761	actttatgga	ttcacccctga	attctttcct	gtggagggtcc	aagaactctc	tcttggggtc
104821	tggatcagga	cccctttctg	gtaacaaaaa	caaaatgaaa	tctgttagt	ttcttgggg
104881	agggagaatg	attttgtgtt	tgtttaaaaa	ccagatttta	catttttaggg	ttttagcttt
104941	ttcattttata	ttcctaattc	tccttccttt	taaaattttc	ttttgagagg	aaagtaaaat
105001	atcgagattt	tgggtcttaa	aaaagtcctg	agttatttta	atatgatctt	gtgctttgac
105061	tttcccaaaa	tcccaactgt	cacagtgtcc	tcttggccca	gtagcctctc	cttaggatca
105121	caagaagtga	acagggaccg	ggtatgatcc	ttctgacagc	aaaggcattt	tgtcaagtgt
105181	tttctgttat	gtggcacctt	acattttctca	ctggtgggtt	atttagaata	ttctacgtcc
105241	tcagatttta	agaaaacctt	ccatttttgc	tgtttgtatt	aatgccattg	atagatatatt
105301	aacaaggata	aaaatgtgga	caagtctaca	cattttttgt	ttgtttgttt	tggaaaatga
105361	ctcaaggcat	ctccaatata	tatctaaaaa	tgagccattc	agtagcctca	ctggtagtaa
105421	tgatcaatta	attagctatc	attagtcata	tcaatttaaa	tattactgat	gattttctct
105481	ttgcctggac	agttcaaggg	ctctagttaa	ttttaaaagc	tcagtggagc	tagatgtttt
105541	tcagtatgta	aacaatgagc	catgcaaggg	catctgtgcc	agcaaatggc	attaatgttt



FIGURE 4 (cont.'d)

105601	tcttaagtga	atagtccact	tggacggatg	tggaatactt	cttcagcacc	aaaaagacct
105661	tcttgcccca	tgccctgccc	tggctctatg	aggggtggcag	caccaatggg	cagaaatgcc
105721	ccacttggtg	ggttagaaga	tgatggcctc	acagcacatg	gagacaggac	agcttgcttg
105781	ctagttcact	actgcccccc	tgaaccacaa	tgtttatgtc	ccttccactg	caggtcactg
105841	ctgcttaaga	gaccctgaca	ggctgacctg	cacaggagcc	gaaggcctgc	atggccacag
105901	acattaactg	gtggagatgg	aatcccactc	cattgaggaa	gaccaagtgg	aacacccagg
105961	cagaaggaa	aaagaagtag	aaaggcattt	aatttatttg	aaaaaaaaat	agagagagag
106021	agaaagagag	agagagaaa	caagagagac	agagagacag	agagagagag	agagagaaa
106081	agagagagag	aaagcaagag	agacagagag	acagagagag	agagagagag	agagagacag
106141	acagacagag	agatcctaag	gggatgcagt	tagtataatt	ggagtgtaaa	aagactttct
106201	gtaaccacaa	acatgatatt	tgaatgaaga	cttcaataga	gaaacagaca	aagagaataa
106261	tactgtgag	atgtttgggt	tcttgattta	aaagaaaagc	tttagacaaa	ttaattttag
106321	cagtttaatt	gagcaaagaa	caattcaaga	atagggcagc	ccctaaacca	gagcaggctc
106381	cgagtgaact	tgatgctgtc	tcatagttgg	ataggattta	tgggcagaaa	aggaacgtg
106441	atgtacagaa	aatggaagtg	aggtagacag	acagccagat	tgggtgatgg	tcagcatttg
106501	ccttacttga	gcccagtttg	aacagctggc	cactgtgagt	ggctgaagtc	tggccgctgt
106561	gattggctga	gacttggtta	cttgctatga	gagttaggtg	cagtctgttt	acacatccag
106621	ttaggttaca	gttactatg	tacagagaaa	cttttaggct	gaatttaaaa	tatgtaagga
106681	gaaaagttta	agctaaactc	attaacacct	agaagagaga	aggtgttcat	tcgacaacta
106741	attatggagc	acctactatg	tgccaggaag	tgctttgtgc	aaaatagaag	aacatgtaac
106801	ccaaatacag	ggtgaaacta	caaagaaatg	gaagccataa	atgaaactat	gagagacata
106861	aaccacaaa	aaaattctaa	gccctggaac	tgactgatgg	accctccctc	tggccaaggg
106921	cattccaaag	ttaacctgaa	aaattagttc	aggccatgat	aggaatgggt	ggctaaacgt
106981	gcctcattgt	actctcctcc	tcttggaatt	caggcacac	tgatcagcat	tcacatcaac
107041	acagagatgt	taagccatt	agaacagact	ctttaagatt	gataagaaac	atttacaatt
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107221	tgccaatcag	aaactctttg	aatctgecta	tgacctggaa	gctcccctcc	cccaagttgt
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107341	tccctaaaa	gcacaaaagc	aagctgtacc	ccaaccacct	tgggtgcatg	ttctcaggat
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107461	aaatatttca	cagagtgtga	ctcttttcat	taacagacat	gaaagccaga	tacagatgta
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107581	tcaaagaaat	aaaagaagaa	ctcctttaag	ctgaaaaata	cttcaatatc	ttaagtctgt
107641	gaaaggaaat	taaatttttg	gaccccaaac	tcatttagcc	aaagggaaat	gtcaagctgg
107701	gaactgtgtc	atgcaaacct	gcctcccctc	tttggttcc	aaataagatg	gctatgtga
107761	aaagctacat	gtctccacca	tattttgtct	acaaggaaat	tcctagtga	ccgttaaaat
107821	ttcaccatgg	caatgcaaat	tgatagctta	tctttacaag	tgagtcacc	caccagatac
107881	aaatgcata	ctgattgttc	ccctgcctta	ctttatctat	gttctcttat	gtaaaatgca
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108061	aaaattgtgt	acttctcaat	atcccgccct	tttcccttta	aatttgagac	cctcaaaatc
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108181	atttcctaaa	atgattgaga	cttgtctcgt	catttttctc	aatgacaagt	cctaggtggg
108241	ggggaaaaaa	aaaaaggaaa	aagatacacc	taggtatata	ctgaatacat	tttaaatgt
108301	ccaagagaca	ggagaaacag	agacagagag	aaggaaagag	atgcagagag	tgaacgagag
108361	aggaagaaag	tgggggaggg	aggagatag	aaactctagg	aaaagaaaca	aactatcatt
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108481	atcgatcatc	aagcctctca	tattgtcatc	aatgagggca	ggggaatttg	tttgagggga
108541	tgggtagggg	gacaggacga	caagcacaga	ctcagatctt	acactacaca	tggaccttct
108601	gaggaaatta	attgaacaag	ttcagctgaa	caaaaattaa	attagaaatga	atcaataaac
108661	tcctaaatac	agcaaaagaat	atgcattata	aaactacagc	aaatataata	gtaaacaaag
108721	aaacaaaaat	atgagagggg	tgttcatcac	tactaccact	acttgttttg	ggaattccag
108781	acatggaata	agaaaagaat	atcagtgggt	tagataatgg	aaagtaagag	acaaaattat
108841	taacatttag	ataatatgag	cacattaact	aaccagactc	actaacaaca	aacaaaacaa

FIGURE 4 (cont.'d)

108901	aacaagtgat	tagaaccaat	gaaagaattc	agtaagggac	caacacacag	taaatgtaag
108961	aaacaagtaa	tttacattta	tcccagcaat	atTTTTgcaa	acagaaaaat	atcctactca
109021	gaacagcaaa	tgctaaatgt	agagtagcta	gaaaggtgaa	ggacctgcat	gaagaaaact
109081	agaaattcta	tggaagtacg	ttgacacagg	atctagagag	gtggaaagac	acgctgtggt
109141	cctggatgga	aagactgaat	ctcagtaaaa	tgccaacaca	taacacagtt	atgtgaagtt
109201	caaagtaatt	ctcattatga	aaaacttaag	aaagaacagt	gagatatgta	acagacatta
109261	acattttatta	gaaagttagt	ataaccaaaa	gctgggtgctg	gggtctcgag	tagaaaaata
109321	ggctaacaca	taaagtgcgg	aaacagaccc	agagactatg	tatacataat	acaaaactcg
109381	ccaacactta	tccagtgcct	tctatgtgcc	tactactatt	ctctgtgttt	tcatggttta
109441	acctattatc	tcaaaccctt	aaaaggaagg	cactgttatt	tccctcattt	tacagatgag
109501	ggaagtggag	cacagacaga	ttaaacaact	ttcacaggac	tggagaaagt	gccagtaagt
109561	gtgagttgag	cccagacact	cgaatccaga	gctcatgact	gccatcctat	gccagcttgt
109621	accgtgggta	tcatcatccc	tgctatccaa	gtcaggagga	aagacatcat	ccctgtcatc
109681	caagtccagg	acgaatgcta	ccgggagagt	tccaccagg	tatgtatgaa	aacacgtggc
109741	aggagtgggg	catgggtggcg	cacgcctgta	gccccagcta	cttgggaggg	tgacgtggga
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109861	ccagcctagg	aaacagagca	agactctgtc	tcaaaaaaaa	aaaaaaaggt	agatgaatga
109921	aagctctaaa	ctcaaagggg	aaattataaa	agtattagac	aaaattacgg	gggaagtatt
109981	tgtgtaacac	tgggatggaa	agggttttct	taagcaaagg	aggaaaccca	aaagttatag
110041	atgtaaacia	tacatagtta	ataaaaataa	gaactaaaa	ctcctgtggc	aaaagcaaca
110101	gaagacaaat	aataaatgct	atacatatgt	aacaaacgga	tactatcctg	atatagaaag
110161	agtcctttta	gattaataat	tgaaagaaca	atagggaaaa	aaagcttata	aataggcaat
110221	gcagtgatgc	ttattagtgg	tcaggggagt	gcagactaaa	acaaccacaa	ggtcttaggg
110281	atTTTTtagac	tgtaaaacia	ggtcatcggg	tactgacaaa	tgtatggatg	ggcaaaagta
110341	tcttttccata	cacagctggg	aggaccgcaa	attacgatac	aatttttgta	aaggattttt
110401	gtcgggtattt	cttaagatga	aaaaatgctg	atTTgttcca	gcaatctgag	ttctggaaat
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110521	agcattgttt	gtactgcaat	acccaaaaca	aacaaacaca	tctacaaatg	ggaaatgaac
110581	tgaattcctag	tgaatagggg	aatggctaag	taaattatgg	tgcattccca	gaaggcaaga
110641	aatagtagca	gtttaagaag	gggaaaatat	atgagatact	atTTcacacg	caagaatgaa
110701	aacatctgaa	gatgcgaagt	gttgatgatg	cagggaaaca	gtgaatctca	gaaacagtta
110761	ctgggggtgtc	tactggcaga	atgcctttgg	aaaacaatca	gcaatatcta	gaaagcttaa
110821	aaacacgtgg	tctgcaaccc	tgcaactcta	cttcttgtaa	tattccctac	agtaactcct
110881	ccatgagagc	acagagagat	gtgtgagaaa	gctcactgtc	gcttggtttg	caacagctag
110941	aaattaaaga	cagcccgcct	gccccacag	aggagagcgg	acgagcgcct	gggttatcca
111001	gacttagata	tgccatgaag	aagtttaactg	catgaaccac	atctatctgt	gtcaaccaga
111061	tctcttccaa	tacttagtga	tgagtgaaaa	gtgcagggtca	cataatgatt	agattaaatt
111121	atatcgatta	acaaacacct	acactttgcc	atTTactgct	gtgtgtgagt	gtgcatgtaa
111181	cacagacaga	tgtggtcaca	gtgggagagc	acaagctgtg	ggctatgacc	tgggtctgct
111241	tctccttctc	cctgcgtggc	tgagtgaagta	aggagggcct	gcaagaagcg	ccagctttct
111301	gacatagtgt	ggactattct	tagtcattgc	tttacttcca	aactctgatc	tggagcctg
111361	agaaatcttc	tgagaaagag	gaactccaag	attgtgcaga	cagtgcagg	ttcagtgttt
111421	cctgaacgga	agcaaaggag	ggtttctgaa	aaggacagat	gagtggaaag	aggaagaaaa
111481	aatgatttaa	atctaagaaa	gggggaaacg	atctcaccag	aagccccctg	ctgcaagatt
111541	atgataatgt	taagtagctc	ccagataatt	gggctagtgt	gtgttatctt	agatgagtag
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111661	attaaatgaa	ttttatgggc	atTTtatctt	aaccagatt	cacaggccag	aagtgtctctg
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111781	agcatagaaa	caacagccct	ttgggatggg	aggcagagct	caagcacaac	gtgtgcactg
111841	caccaggtat	ggaagtctgg	aaacacatca	tatggtgcct	gagctgagag	gcttgtgcac
111901	aaataactcta	aaacaaatca	cacatttata	aacccttaac	atgaccacca	gcacagcagg
111961	ttactctccc	acacttgatg	ctaattggcat	gtaagtttta	tttttgattt	ttcaattggg
112021	aaatagaata	tataaaatat	gtatggatat	gtatatatgc	acacacacac	tcacacatgc
112081	agaaaaatgt	acaaaacacc	tgtacgaaca	ccatccaggt	aaaaaatcag	aacattgtcc
112141	gtaccctcac	ccccaccttt	cccaatcaac	cctccttcca	tccccggtaa	tgaccatcct

# FIGURE 4 (cont.'d)

1007141 "020702"

112201	cggtctttatg	ataatcathtt	tcttggttatt	gtttaaggtt	ccgctatgac	acacctccct
112261	aaacaatttc	attccaaagt	tatgaattgg	ccagacacgc	tcctggcttc	tttccctcaa
112321	cactgcgtca	gtgaggtttg	tccatgttag	cagcagtttg	ttgattttcc	ttgcagtgtg
112381	gaattttcct	tgacaatttg	tctgttctac	tgtttggttg	acattgagtt	gttgccattt
112441	tttggccatc	atgagtaatg	ctggttgtag	tatccaggcg	cacatgcaca	caaatttgga
112501	tcccactata	ggatttctgg	gtcatagatt	ataatgtagc	ttcagtttta	tgacatattg
112561	ctaaattggt	ttccacggag	gtcttaccac	cttgctctcc	tgccgggtgg	atatgagtg
112621	tcccagccct	ctggatcttc	tttaatactc	agggtgtgtc	agttgttgaa	gtgttgccca
112681	tctgggggca	tatgtgtggg	agtagcagca	gttcactgtg	atcttctgat	ttccccgagt
112741	cctaatagaag	ttgaacacct	tttgtatact	tgctgcttat	attttgtaca	gtaagtactc
112801	aaacttcttg	cccattttct	agtgaatgac	actccccctc	ttaaagattt	gtaggtcctt
112861	cacatactag	gaataattct	cgtcaatcac	tccatgactt	gccttcactc	tctcctgggtg
112921	tctttcaatg	aacagagtgt	ccttatcttg	agggaggcaa	acttaccaat	cttttccctt
112981	gtgtttaata	tgttctgagt	cttgtttgaa	aaatcctttt	agcttgagac	ctggaagaat
113041	aatcacctgt	agtctaaatg	tcttacagtt	ttgcctttaa	cttttaagtc	taatcaaccc
113101	caagctgagt	ctcctgaatg	gcaagagggtg	gagctctgatt	tcttctcctt	ctccttcagc
113161	cctccgtgct	ggctggcccc	tgctctcgag	atgcatgtcc	agtggccccag	tgccacccat
113221	cagccgagcc	ctccgtagca	gacccagtac	ccacatacgt	gtggctgttt	gtgttttctt
113281	tattctgttt	caaggaaatg	ttttgatgaa	aagggggatg	aagctaagac	agttttgagg
113341	tggggcaatt	gtgttcttgg	tgtgggattt	ctcaccctct	gacagcagtg	gggtggctggg
113401	cataggggaa	gaaggagcta	caggggttag	ggatgctgtt	gcaacttaga	aaaattaaga
113461	aaaatgaaga	tattgtctcag	ttatggcaag	tgtttgatga	aacaggggacc	catacatggc
113521	tcgtgaaaac	tggttaaaga	tttttttttt	tttttttttt	gagacggagc	ctcgctctgt
113581	cgcccaggct	ggagtgcagt	ggtgcaatct	cggctcactg	caagctccgc	ctcccagggt
113641	cacgccattc	tcttgccctca	gcctcccagag	cagctgggac	tacagggccc	cgccaccacg
113701	cccggctaatt	tttttgtatt	tttttagtaga	gacgggggtt	caccgtgtta	gccaggatgg
113761	tctcgatctc	ctgacctggg	gatccaccca	cctcagcctc	ccaaatgggt	aaagattttt
113821	gaggagaaat	ttgtcaatgt	atactaataa	cttttactat	ttggtaattt	catatctggg
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114121	gatgcaaagt	ggtatatata	gcacaatccc	aaattttaaa	aagtgaataa	gacaaagtga
114181	aaacaattaa	acatgaattt	ttatgaaaaa	gttcataaaa	ttcataattc	atacagaaaa
114241	taggtatttt	tctggctcta	tattattttc	cttcttttac	ttttttgagt	taaaaaaaca
114301	accagatat	actacatatt	ccttgtaaga	agttcaacta	tgaggggata	tgtagaaaag
114361	tatcacataa	ttggctccca	aaggcccttc	cacagcccag	gtaacttcac	tgtccatgta
114421	gaatgattcc	ttccactttc	ttcccttgga	aggaggcaca	gactcaaatg	tttccagggg
114481	ccaaagcagg	aaatgaaatg	aaagaaaacc	ttgatataga	caacagacaa	gtgtggactg
114541	gggaagcctg	aagaatatct	ctgtttactc	ataagtcaat	aatgatccat	caaacacttg
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114661	ttatcttcca	aaaagcttta	ctgagataca	tttacatacc	attaaattca	ccccttaaaa
114721	atatgctatc	aaaagatttt	aataatattg	cagagttgta	tgtgtaacca	tcattataac
114781	ccaattctga	aataatctca	tccccagagg	acacctcgaa	cccattaaca	ttcactcctt
114841	gtttcccttc	cccaactcct	agtgttaggc	aactactcac	ctactaacct	gactctgtgg
114901	gtttgcctat	tctggacatt	tcatacagat	agaatcacac	aatatggggg	cttccgtaag
114961	tgagttttcc	atttagcata	tttttgaaat	tcattcagtg	tttggcatct	atctgtagtt
115021	catttctttt	cttttctttt	ctttttttga	aatggagtct	tgctctgtca	cccaggctgg
115081	agtgcagtg	cgggatctag	gtcactgca	acctccgcct	cccgggttca	agtgattctc
115141	ctgccttagc	ctcccaagca	gtctgggatta	caggcgtgca	ccaactgccc	cggctaattt
115201	ttgtaatttt	gtagacatgg	ggtttcacca	tgttggccag	gttgggtcca	aactcctgac
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115321	cgcttgcat	tcatttcttt	ttgatgccaa	aaaatatccc	attgtatgga	taaactatat
115381	tttggtttatt	catttctcag	ttaatggaat	ttaggttggt	tctacttttt	gactattgtg
115441	aacaatgggt	ctataaaatat	gtgtgtacaa	gttttgtata	gacatgtggg	ttcaatatctc

FIGURE 4 (cont.'d)

115501	ttgggtagag	gcctaggagt	agaattgctg	ggcatatttg	tagctggggt	tcagattttg
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FIGURE 4 (cont.'d)

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127561	gggttttggg	ggtgtggatg	tcctttctgt	ttgttagttt	tccttctaac	agtcaggacc
127621	ctcagctgca	ggtttgttga	tgtttgctag	aggtccactc	cagaccctgt	ttgcccgagt
127681	atcagcagca	gaggctgcag	aacagcgaat	attgctgaac	agcaaatgtt	gctgcctgat
127741	tgtcctctct	gaagctttgt	ctcagaggtg	tacctggcca	tgtgggggtg	cagtctgccc
127801	ctactggagg	gtgcctccca	gttaggctac	tctgggggtca	gggagccact	tgagggggga
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127921	gtcagacagg	gacatttaag	tctgcagagg	tttctgctgc	cttttggttcg	gctatgacct
127981	gccccagag	gtggagtcta	cagaggtggg	caggccttct	gagctgcgat	gggctccacc
128041	cagttcgagc	ttgctggcaa	tgagcaaggc	tctgtgggca	tgggaccttc	cgagccagac
128101	atgggatata	atctcctggg	atgctgtttg	ctaagactgt	tggaaaagta	cagtattagg
128161	gtgggagtga	cccaattttc	caggtgctgt	ccgtcaccac	ttcccttggc	taggaaaggg
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128341	aaatgcagaa	atcacccatc	ttctgctatg	ctcatgttgg	gagctgtatg	ctggagctgt
128401	tcttattcgg	ccatcttgga	accagctcta	attagtgaat	tttcaacata	aaactcaact
128461	cctgtgctct	tagccactca	ctttacaaaa	gccaaatcca	gttccctcatc	ctcttgccca
128521	ctcactcagc	aagccttggg	gcccctgcct	ttcagtgcct	agagaatcat	gttcagatgc
128581	aagagccagg	cttggttctc	actgggcttg	gcaggcacag	tacatgccta	actctggcct
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FIGURE 4 (cont.'d)

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128821	actgagcaaa	aacgggagtt	cactctgggt	tttagtggtg	cctgtgagag	cagcagttct
128881	cacagctctt	atgtttctaa	gtccatttca	ttgtttcatg	gagaaatgtg	tgacgatgac
128941	acaacccggt	ttcctgtcgt	gcctacacag	aggattgaga	atgagctcca	ttctaaaaga
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129241	gtcatcactg	gcctgagggg	tctgtctctc	cctctaagcc	tagctctgag	agcatcttat
129301	ctctcagcct	gtcctgctgc	cgtctctcac	tgcaggagtt	ggagcaggta	gcaggtagct
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130021	ggttcacgcc	attctcctgc	ctcagcctcc	caagtagctg	ggactacagt	tgcccaccac
130081	cacatccagc	taattttttg	tatttttagt	agagacgggg	ttttactgtg	ttagccagga
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130561	tcattggcta	tgggggtaat	tctggaggca	ctcaacattc	atcatctctt	atctacctta
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130861	ccaaggactg	acacagtgc	ttaatgaagc	tgtcccttca	cacagatgct	ctggatctgt
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131641	cccagaggac	accattctgt	gagaagcctt	aaagaatgag	actccatatt	gacagagagg
131701	cacaggagcc	tagagggtgc	agacacattg	cagaagaagg	cccagcccc	ttcagctgat
131761	gctacatggc	cacagatgaa	ctgcccagtg	aagcctttcc	taaatctctg	acctgcaaga
131821	gcatgaacaa	aattaaatgg	ctgtttaaag	ttaccaagga	ggttggtttt	acagcagtag
131881	agagaatgga	acttgctgga	cagcttctct	atgctcacc	tccaacctgt	gctgtccctg
131941	aaagtgattg	gaatgagatg	cctcaatggg	ttttccactg	ggaactctga	ccagaaagga

FIGURE 4 (cont.'d)

132001	gggaatgtgt	agaggaagga	gaggccaatc	actccccaga	acctttctac	tgagggccgc
132061	agctcctcca	aggggtgctgt	ctccaggata	cttctgcatt	actcccacaa	ccttccccct
132121	ccccctgcat	caggactagt	ggtgtgatg	gccccgcact	ctgcatggtc	cctctgcaca
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132301	agatgtgcag	gagggagttt	cagagccagc	attttctaac	taccagaaaa	agagaagtgc
132361	cctgtccaca	accttccaca	ttctgttgac	cacaggaata	aatgaacttt	gtgatttttt
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132481	aaatttggtt	tcttaagtca	aattccacat	cagaaacgat	gggatgtggc	ctggtagctt
132541	aagaacagca	ggtacagaat	aacttttttc	tcctttgtct	cagttttctt	agctataaaa
132601	tgggggtaac	agtcatctct	tcctacctac	cccaccaaac	ttcgtgaaga	acacactagc
132661	tacaggaaac	ttggcaaaag	gaaagagttt	gacgctgtca	tggcagaagc	agtggctttc
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132781	aagctgaagg	gttatgactc	gaagtgaagg	aggattttgc	caggcactgc	aggagctggg
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133981	caaaaggaaa	gtaacactct	tttcatcaag	gttggaagt	tgaagccaaa	ggaaatccat
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135061	gcagctgccc	aggcctctgg	gacaaggctg	cttggcccc	tccttgccag	gctcctgctt
135121	ccaggacaca	ggcggctctg	aggcaacagc	catagcttct	ggagggtttt	tgtctctgca
135181	gcaatggatg	gcagacagga	agttgggatg	agaggctcag	gcattgcatt	acgcattctg
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FIGURE 4 (cont.'d)

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135421	gactacaggc	acctgccacc	acatctgggt	aagttttgta	ttttcagtag	agacaggggt
135481	tcaccatgtt	ggccaggctg	gtctcaaact	cctgacctca	agtgatccac	ctgcctcggg
135541	ctcccaaagt	gctgggatta	caggcatgag	ccactgtgcc	tggccccctgc	aaggcacttt
135601	ctaagccaga	ttcatcaacc	cttgaacttt	atccctggcg	gcagaaccta	gagttctcag
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137341	ctgccatctg	acagggactt	ccacagcagg	agggggccag	gcctgcagtc	tggctggtct
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138361	aaagcttttg	aatatctcgg	caaagagtca	gttggctcagt	tttcatgtga	gctttctatc
138421	agcatttttag	gaaagttttc	atctgtcttt	catcagatct	ctgctgttgc	tgggacaggg
138481	agacggatct	ctctgcggaa	gcaaggatgt	gtgcccacc	cccagactac	ccatcttgga
138541	gggggactaa	tgaggggctg	tgggaggagg	aagctgtaga	gcagagagga	agattggggg

FIGURE 4 (cont.'d)

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138721	gaaaatgtgg	gacagagagc	cggagattga	gggagcagag	aaggggcctc	tgagaggtgg
138781	ctggaagaca	gagtgtagag	gaaaattcag	agcaaaaaag	aagggagagt	tgtagggtag
138841	agagcagaaa	cggggggcat	ttaggggaact	gggagcaggg	gaaggaagag	gaggcagaag
138901	agggggcgaga	atgtagggaa	aagatggctc	agagggggag	actgggagat	gagagacgga
138961	ttgaggggtca	taccaaagaa	atattttatgc	tccactaata	tattcccatt	cacaagaagg
139021	aggtatttcta	gaatttaattt	ttcatgaatg	taagaatact	caactgactta	agaagcatga
139081	atcattataa	cactttttcta	cacttggtga	acatattcaa	gtatcatata	ttaaacacca
139141	cgctattgcc	cttagctttc	ttaaaagtac	cagcacagaa	tgaaatgggc	caactaagat
139201	ttctcagaaa	tcttcagatc	tgttacagtt	atcgtatccg	atctgaatta	ctttaaattt
139261	acagagttaa	agaaataaat	caacttggtta	aatttgccta	gacttggggt	agcctctgga
139321	aacagggcca	ttctgtgtag	gatcccggct	ttctccagca	gacagtgagg	agccaaggaa
139381	gacacaaccg	tttataggat	aatcccacct	gcgaaggact	tgattcccag	tcctgactga
139441	atcactatgc	ggaactctga	tgagaataac	aagggacctg	tgactcactt	tatcaaggaa
139501	aaaatcagtc	ctgtccatta	tttgactgaa	ctatgccctg	gaggaggggg	gtgttgacct
139561	gccaataaact	tggaatgat	taaattgtgt	ggaaatacct	ttattgttat	tgttatcggt
139621	actactgtta	acaatacaga	ttttaacact	tttccctgta	aaatgggata	accttgtctt
139681	ctcagcaagt	acttccctcta	gggtttctct	tttaccttta	cccaaaaagg	atgattgtct
139741	ttacagatac	caagctggga	gaatgaggaa	gtagtctctg	gctgggcaag	agaaagtgtt
139801	gagtaacttt	gcatcaacag	gaactttctc	aaaagctgat	tttttcaagg	aaactttcag
139861	ccttagctgg	ttccccaccc	tgcggtagcc	cccaccccca	accacccccc	gccccacccc
139921	tgactttatag	ccctctcaac	ccaatggaaa	tgtgacatgc	aaatctctcc	tgaaatttgc
139981	ccctgggatt	ccggctgagg	tggttaatta	taatgtcatt	tgaatgactt	tcaggggtag
140041	gggaagacag	accgagagag	ggagatagtg	gacaaaacag	tgcccttact	ctttgtccga
140101	agagcccgt	atggccacgt	tatcatgtcc	cctgcaggag	gaaagcacac	acggggtgcc
140161	cgtgctgtgc	agtgtgagca	caccaatggc	ctgtgcttct	agaaccttat	gatgtgtgga
140221	ggagaatggg	gaggaggaag	cacttacaaa	ggggaagtag	cctgtaccct	gtccttctcc
140281	cccagggtgtg	gggaatccat	gaaataatgg	aagtaaatga	aggtgcgta	gaaatggcag
140341	aggggtccat	caccctaaat	ggacgacaca	ttactccag	ggcaccgcag	tcctcagggg
140401	cagttccccg	actggggcaa	ctaagcaact	gaagggtgct	cttgtaactc	acacctaact
140461	cttcttgaag	ggagctcaag	ccaggatgct	agtgaacttg	gctgagggcc	atgtcgtgct
140521	acagcgaggg	tatgggctcc	tggaataggaa	tcgagcccat	ggagagcttg	gaatccagaa
140581	aaagagtagt	ttttacttac	tttaggctct	gcacacctaa	aacacaaatt	ttatccaaga
140641	gtaatcagtt	gaaacatgaa	cttgccgggt	gtattttgtcc	attatgagca	atttcacaag
140701	gtttgatcaa	ataataaact	aaatggtgag	aaggcagctt	ggtaaagtct	aaatcttttt
140761	ggtccagttta	ggagctgggg	tggggtggaa	gggaactgat	attccctgcy	cacctgcagt
140821	atgtctggga	ctattaccag	tcatttacgg	agcgcttcct	ctgtgccagg	tactggatta
140881	ggcacttcat	taaaggctca	gtgagaactg	cgacctgccc	atgctcatgg	aaaagagtgc
140941	tggggctgga	attcaggtcc	agatcagcat	taggaactag	cttccaaatg	ctgagggctc
141001	cctcgcgctc	tcacacctag	cgtggaagtg	ttccctgggtg	tacattctgc	tgggagggag
141061	tgcagccccct	ccatttagga	aaagcctctc	ctggcctggg	ttctgttcct	tccttttaat
141121	ttcctctggg	gactgtcctg	agaatgtaag	ctgccaggt	gccgtctgag	ccaccagatg
141181	ggcctgggct	cacccatgac	tcattggacca	gactgaagcc	aacctccat	tttcagctgg
141241	ggaaaactgag	gccagacag	acggtagagt	gagctggtgg	tcattgtctgg	acagaactca
141301	ggcctctgga	cccgtgacg	tgcaccttc	cccacggctc	acagctggct	gctccgaggt
141361	ggcctcagag	ttctgtgagc	atgactcatc	tgccctctcc	tcctgtgcy	acctgcagaa
141421	ggagcctaag	gaagaggtgg	cacaagaaac	gcggccaggt	gaagggggct	ccggagcctc
141481	ggagcccaga	tcttgaagtg	gaggggaaac	cttgggcctt	ctcctcccag	ggaagacgcc
141541	ttgcaggcgg	cacgcgggaa	gtctccgttt	ccgacagggg	tcgcgggcgc	cgcgaggggt
141601	cctggacgct	tgcccaccag	ggtaaccttc	ggccactggg	agcccagggc	acgccccacc
141661	gcagttctgc	cctccctgac	agggctcctg	acaccccag	tcctgtccgg	ccgccccga
141721	cgggcccctc	gcgccccgc	ccaggcctct	gccgtccaaa	ccgggtcccg	gacgcacctc
141781	agcccgcgct	ccacccgtgc	cccgcgcgcg	ctcaccgcgc	cacgctcgaa	gtcgttgtag
141841	aagggcttgt	ccagcaggtg	cttctcgctg	cagcccgcgc	agcccacgag	gctgaggtag

FIGURE 4 (cont.'d)

141901	atgtagtcgt	cagtgtcttc	accacggggg	gaagtacggg	ccnnnnnnnn	nnnnnnnnnn
141961	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142021	nnnnnnnnnn	nnnnnnnnnn	nntttttggg	ttgttgttgt	ctctttgttt	ttgcgagcgg
142081	tccttccgcc	ccgtgggtgaa	gacaagtggg	cgctctgcc	tggccatccc	atctgggagg
142141	tgaggagtgc	ctctgcccgg	ccaccccgctc	tgggaagtga	ggagcgtgtc	taccagcca
142201	ccacgtctgg	gaggtgagga	gcgcttctgc	ctggccgccc	catctgggaa	gtgaggagcg
142261	cctctatctg	gccacccctt	ctgggaagtg	aggagtgcct	ctgcccggcc	gccaccccg
142321	ctcggaggcg	aggagcacct	ctgcccggcc	accaccccat	ctgagaggca	aggaccacct
142381	ctgcctggcc	gccatcctgt	ctgggaggcg	aggagcacct	ctgcccagcc	gccgcccac
142441	ctaggaggtg	aggagcgcct	ctggccagcc	gccccacctg	ggaggcgagg	agcgctctg
142501	cctggcggcc	ccatctggga	ggtgaggagc	gcctctgcc	agccaccacc	ccatctggga
142561	agtgaggagc	gtctctgcc	ggccgccccg	tctgggaagt	gtaccaaca	gctccgaaga
142621	gacagcgacc	attgagaacg	ggccatgatg	acgatggcgg	ttttgtcaaa	aagaaaagg
142681	ggaaatgtgg	ggaaaagaaa	gagagatcag	attgttactg	tgtctgtgta	gaaagaaggt
142741	gacataggag	acaccatttt	gttctgtact	aagaaaaatt	cttctgcctt	gggatgtgt
142801	taatgtacaa	ccttaccctc	aaacccgtgc	tcgctgaaac	atgtgctgtg	tcaactcagg
142861	gttaaatgga	ttaagggtgg	tgcaagtgtg	gctttgttaa	acagatgctt	gaaggcagca
142921	cgctcattaa	gagtcatcac	cactccctaa	tctcaagtac	ccagggaac	aaacactgct
142981	gaaggctgca	gggacctctg	cctaggaaaa	ccagagacct	ttgttcacct	gtttatctgc
143041	tgaccttctc	tccactatta	tactatgact	ctgccacatc	cccctctctg	agaaacacc
143101	aagaatgatc	aataaatact	aaaaaaacaa	attaattaat	taaataaatt	tcatatggaa
143161	ccaaaaaaga	gcctgcattg	ccaagtcaat	cttaagccaa	aggaacaaag	ctggaggcat
143221	cacactacct	gacttcaaac	tatactacaa	ggctacagta	acaaaaacag	cacggtactg
143281	gtaccaaacc	agaggtatag	accaatggaa	cagaacagag	ccttcagtaa	taatgccaca
143341	tatgtacaac	tatctgatct	ttgacaaaac	tgacaaaaac	aagaaatggg	gaaaggattc
143401	cctattttcat	aaatggtgtt	gggaaaactg	gctagccaat	aaatggtgta	gggaaaactg
143461	gctagccata	tgtagaaagc	tgaactggga	tcccttcctt	acatcttata	caaaaattaa
143521	ttcaagatgg	attaaagact	tacatgttag	acctaaaacc	ataaaaacc	tagaagaaaa
143581	cctaggcaat	accattcagg	acataggcat	gggcaaggac	ttcatgccta	aaacaccaa
143641	agcaatggca	atgaaagcca	aaattgacaa	atgggatcta	attaaactaa	agagcttctg
143701	cacagcaaaa	gaaactacca	tcagagtga	caggcaaccc	acagaatggg	agaaaatttt
143761	tgcaatctac	tcatctgaca	aagggtcaat	atccagactc	tacaatgaac	tcaaacaaat
143821	ttacaagaaa	aaaacaaaca	accccatcaa	aatgtggggc	aaggaaaaga	acagacactt
143881	ctcaaaagaa	ggcattttatg	cagccaaaag	acacatgaaa	aaatgctcat	catcactggc
143941	catcagagaa	atgcaaatca	aaaccacaat	gagataccat	ctcacaccag	ttagaatggg
144001	gatcggttaa	aagtcaggaa	acaacagggtg	ctggagagga	tatggagaaa	taggaatact
144061	tttacactgt	tgggtgggact	gtaaactagt	tcaaccattg	tggaaagtcag	tgtggcgatt
144121	cctcagggat	ctagaactag	aaataaccatt	tgaccacagca	atcccattac	tgggtatata
144181	cccaaagtat	tataaatcat	gctgctataa	agacacatgc	acacatatgt	ttattgtggc
144241	actattcaca	agagcaaaga	cttggaaacca	acccaaatgt	ccaacaatga	tagactggat
144301	taagaaaatg	tggcacttat	acaccatgga	ataccaagca	gccataaaaa	atgatgagtt
144361	catgtccttt	gtagggacat	ggatgaagct	agaaaccatc	attctcagca	aactattgca
144421	aggacaaaaa	accaaact	gcatgttctc	actcatagg	gggaattgaa	caatgagaac
144481	acatggacac	aggaagggga	acatcacaca	ctggagcctg	ctgtgggggtg	gggggttggg
144541	ggagggatag	cattaggaga	tataccta	gctaaatgac	gagttaatgg	gtgcagcaca
144601	ccaacatggc	acatgtatac	atatgtaa	aacctgcatg	ttgtgcacat	gtaccctaaa
144661	acctaaagta	taataataaa	aaaataagct	tataaaatgc	ttttaatgct	atataacttt
144721	ataactctga	aagaataata	gatttgtatt	atgctgtcag	tgagttaggtc	tattaagtga
144781	taacattaaa	cacaaatacc	accattttata	aagtatgatt	ttgatatcat	cggttgtgta
144841	ttttcacccc	aaactctgta	gatagtaact	ttgttttctc	atttgaccat	gctcaactct
144901	tttagaccat	gctcttctct	caaaatgact	gtaggttcat	ccaagtatgt	ttgtacccta
144961	aaatcaatga	aacacagtca	caactatgtc	tgtctaggaa	taaagccagc	taatttagatt
145021	cttattctaa	ggaacaagaa	gagggcagggt	aagaatttga	ttatggcaga	attctgacca
145081	taatcaataa	ctgttttcta	ttttttctcc	atgttgtcgg	gtggttcata	cctgactttc
145141	atcatttcca	atgatttcctg	ttgttttgtt	ttataaattt	caaaatcatc	atgaaaagtt

FIGURE 4 (cont.'d)

145201 tcaactgaatg aaaacctgaa aattgggaaa taaacatttt tctgcaaaaa aaaaaaaca  
145261 atgaacactg acttctccta tttctcaaag tcatctcaaa gccatatgag gattaccaca  
145321 aacttgcagg tgagaaaatt ctttgcaatg taagaagtgc catgcaaatt agttgatgct  
145381 attataatta gtctcaggga tcaaaaatgc ttgaacccta aatctaacac ttcaaggaa  
145441 agcattattt ttcattcatt ttacaagtta caccctccctt cttccccaca tctttgttta  
145501 gaatctggac cctgaagtta gaggaccaag attcaaattcc cagcctcatc agtactagct  
145561 atgtgatatt gggaatgtta cttgatccct gcttatctta ctttctgcat ttattaaatg  
145621 gggatgagaa taatatctac ccaaataagg tgcccaatgc agtgcccaac agcatgaagc  
145681 ccaataaagg ttagttaaca tcacatccat aattgacacc tttaggtatt agattttcat  
145741 catcccagaa ctttttcctt ctttaagcct ttttctttct aagtggcact ttcttggata  
145801 ctgattgcac tcctcacaaa cttgaaacgt tcaaacacac aagatgccat ttaggagaca  
145861 ttggaacttg ggttttcctt tctgtaaaac tgagtaatga cagtcaacct ccagggctgt  
145921 tgtaagaatg aatgagctag agtatgtaaa atatcttagc acagagtgtc taagaaatta  
145981 ttagttccag ccaagcgtgg tggtcacgc ctgtaatccc agcacttagg gaggccaagg  
146041 caggcggctc atctggggctc aggagttcaa gaccacctgg tcaacatggg gaaaccccg  
146101 ctctactaaa aatacaaaaa ttagccaggc gtggtggcat gtgcatgtaa tcccagctac  
146161 tcaggaggct gagacaggag aatcacttga acccaggagg tggaggttgc agtgagccga  
146221 gatcgtgcca ttgcactcca gcctgggcaa caagagtga actctgtctc aaaaaaaa  
146281 aaaaaaaaaa gaagaagaag aagaagaag gaaagaaaga gagagagaga aagaaagaa  
146341 gaaagaaaga aagaaagaa gaaagaaaga aaaagaaaga aagaaagaa agaaagagg  
146401 aaagagacag aaagaaagaa gggaagaaag aaagaaagaa agaaagaaag aaagaaagaa  
146461 agaaagaaag aaagaaagaa gggaagaaag aaagaaagaa agaaaaaag aaagaaagaa  
146521 agaaaaagaa agaaagagag aaagagaaag aaagaaagaa agaaaggaga gacagaacga  
146581 aggaagaag gaaggaatta tttccctttt tcccaccac gcctcaccac aaacctgtgt  
146641 gtggggataa catgtaaaag tgaacaaaac tgagaagatc acatcgata tgcactcagc  
146701 ctctagtggg agacacaggc aataaacagg aaaagttaaa aacagtacta ggtagtgtgt  
146761 agtgcaatta gcctcccgcg gcataaaggg aggagaataa ccagtggctc tttcatgcag  
146821 agaatcagg tagacctctg gggagagacc cgcactcaga ctgggatgga attatattt  
146881 ttatgcgtgt tcagtttaga gtagaggtgc tctgtcgtga ttatctaatac ttgggaggaa  
146941 caatgtcaga cgggtttcaa gatgagtatg agaattggctc ttccttctga aaaaaaaga  
147001 attgagttca cactaatcac aaatacatga agcctatttg agtcttgtgt gtgtcatgga  
147061 ttgaagtgt tctttccact tagtcaagaa gttccaatga gaagaatgct ccttaacttc  
147121 ctaagtgcaa cagagtagtt gaactgagcc atggatggta aatctactta agaaagcaca  
147181 tgccatggaa agatagcatt ggctgccctg cctacttctg atggcacagc cttgcaggaa  
147241 gggaaagaag ccaagaggca aaagcctggt cttgttctga aaggcacaag gaggtggaag  
147301 attaggggaa actcacccaa aaatgactca gctctgaact cagactcaag aagccacaat  
147361 aagcaacatg aatggaactg gagggaaata aaccaggcgt agaaacacaa atgttgcata  
147421 tcttactca tgtgggaact aaaaacatgc atttcaagga gaatagaatg atggttatca  
147481 gagactggga acagttgttg gtgggggtgt taagagaggt tgcttaatgg gtacaaacat  
147541 atagtttagat agaaggtata agttctaatt tttgacagca gagtaggaga actatagtta  
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147661 catagaaatg acaaaagctt gaggtaatgg ataccctaaa tatcctgact tgatcattac  
147721 acagtctatg cgtgtaacga aataccatat gtaccccata aatatgtaca aatattatgt  
147781 atcaataaaa atttttaaaa agaagctgca atcaacattt catcattatc ttttccagcag  
147841 catccttaca aagttacaga gacactctta gatgtatccc tcttctctg aatcttctctg  
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148081 ctttttagtg ctacgtggta gacagggtt aattctgttt agttatgcaa acaggccaga  
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148201 ataccctctg gaggaagtgt actgtcagga aagtcacttt cctgaccagc aaaaggacca  
148261 gcactatttt gtctgtgctga agaagtacat ttgtcctgct gctgtcatgg gagacagtggc  
148321 tccagggtct cctgtggaca tgccacaagt tccactccat gagtccaggag atcatgcggt  
148381 cagctggggg gaacttaggg ttgctctctt gagcttagcc ttatgctgcg tgtctgcttt  
148441 gccaccaca aaaacgatag tttcatagca agttgcaggc tccctggaaa cttaacctac

# FIGURE 4 (cont.'d)

148501	ctactaggat	acattttacag	ctgcttttct	cctggcatca	ggctggagat	caagaaatac
148561	ataaaacata	gtccctgccc	tcagtttagct	cagaatatgg	tgggggaatg	gagacagaag
148621	caaatactgg	tgggacaagt	gacgatgggc	caaaatatgg	gcttaaacia	aggttggtgg
148681	agctcagaaa	aggagcaact	cactctgcct	gaaagagtca	tggagggctc	cacggaaaaa
148741	gcaacatttg	tgcaggagga	gattagaaca	cagaggagaa	ggatagcagc	actccagatg
148801	aaggggaagga	aatgtgcca	gatttcatgg	gaatgagaag	atgtaaactg	ctcaggaaaa
148861	accatgggtg	aagctcttca	cagtggctga	agcatggtgt	gattgtcagt	tttgcttgct
148921	aacttggtca	ggctgtagta	ctcaactatt	caaccaagca	ctgatctagg	tattgctgtg
148981	aagggtatttt	gtagtcgcaa	ttaacctcta	caatcagttg	actctattta	aaggacatta
149041	ttctgtacta	tctgagtggg	cctgatccac	ttcatcccaa	aggtaaata	ttctccaaca
149101	gtgtttctcat	ctacatctag	ggcttggaag	atgaaggtga	aggagaatat	ggaaaaacia
149161	caagaaaaaa	gtcaatcaat	cagaacttcc	agccctgtgt	ttgttagttc	actttatggt
149221	caaccagtat	gtctccactt	ttatctgctt	ccttgtaaga	tttcatctga	aaaagggaat
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149341	gagctctgca	gacattctcc	agagtaaaac	aaccataacc	ggtgaaaatt	aaaaaciaac
149401	aaaaataaaa	aatgttagag	tattggaaat	tgttctaagg	gccgacagca	aatgaagaaa
149461	tccaagaaag	cctaccaatt	tcagtgaag	gagtgaaggt	ctatgggtgt	catcttatgg
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149581	gctccagaga	tgtgcagcca	aaaagacagg	gtgccctttc	ccctcagctc	ccaatctagg
149641	gcagactacc	agcatttccc	aagcccattc	ctggctctat	gttgacaga	ttctattcca
149701	agaaaagttt	actgagaatc	tgaagcttcc	ttcttccact	cagcctctac	tattaaggcg
149761	taagttctat	ccccagtgcc	acgggccaa	aatactgatg	ctgaatgtcc	ttgtcccgct
149821	acactcatag	ggcagagatt	ccatgggagg	agtgaagttt	ccattccaga	aaaggcagaa
149881	aaacagaaat	tactgcccac	tccagtaccc	caccataaaa	gaaggaaa	catctgagaa
149941	aagcatgaca	ctgtccccc	aaccacctgc	agagtagtgg	cagtagaggc	agtagggaga
150001	ctagaggacc	tgcctagagg	gagaagtagg	ccataagaag	aaaagtctct	agttctccct
150061	aaagggacaa	actttatttg	caacagaaca	tgcggaagtt	caagcctaag	ggcactgtca
150121	aaaacaatga	atattttgg	ggtaagcaat	taataggtta	atggcagctt	agtgaagaca
150181	acaaactaaa	ccataaaacca	gctagacata	tacaataaaa	atccaagaaa	gagagagcca
150241	agaagggcct	tcctgaggtt	aaaacaaaca	tcaaagtctt	gtctgaaaaa	ctgctctgct
150301	aaaggaagca	aaatatattt	ggatcagact	gtggagcaat	ttatgcccct	aaaaagctgt
150361	caaaaacaaa	agagcaatta	tctagcaatt	gctggagggt	aacagttggg	tatgatacca
150421	aaagaggcaa	acaactgaac	agatcagaga	aagaggcagt	caaagagagc	actgctaata
150481	gcactgtaat	tccaatttga	gagaaaatgt	gccagtgctt	gtgactccct	caggacaac
150541	atcagaggcc	acaaattatg	gtggaaaatg	gcttactat	atagtctagc	caggcaatta
150601	aacaaataaa	caatttaaaca	acagtaacat	agtgaagggg	gcagaaatga	gtattgcaac
150661	tagctagaac	atatttttga	acaaaaaaat	tatgagtcaa	gcagagatat	ggaaaaagaca
150721	gagccataca	ccagaaaaaa	ggtaagcaag	agaaaactgc	tttgtgagt	ccaagatgtc
150781	agacatagca	gaaaaaaaac	ctcaaagtaa	ttattataaa	tatgttcaaa	aactaaaaga
150841	aaatgtgctt	aaaaaataaa	agatgggatg	ataatttctt	gtcaattcaa	aaataccaat
150901	aatagattaa	aaatatattt	tcaaaagtta	attaaccaaa	tggaaattct	gggttttaaa
150961	agtaaaaata	caacaataag	aacattttgc	tagaggaaat	gaacaataga	tttgtaccag
151021	aaggaaaaat	aatcaaatga	acagggattt	catcaacacc	aaacctgtct	tacaagaaat
151081	actaaaggga	gttcaatctg	aaagaaagaa	cattaacaag	caacaggaaa	tcatctgaag
151141	gtacaaaact	cactgtacct	tcagatgata	ataagtcctc	aaaaaacaca	gaatatata
151201	acactgtaat	tatgggtgtg	aagctactta	tatcataagt	agaaagagga	aaagatgaac
151261	tgattaaaaa	acaattacaa	cagcttttca	agacagtata	ataagatat	taaataacag
151321	aaagcttaaa	agcatataaa	taaagttaaa	atgtagaggt	tttttttagt	ttctttttgc
151381	ttgattgtgt	attttattat	gcaatcagtg	ttgttttcat	cagcataaaa	taatgggtta
151441	taagatagta	tttgcaagcc	tcatagtaac	ctcaaattta	aaaacataca	atgtatacac
151501	aaaaagtga	gagcaagaaa	ttaaaacata	ccaccaaaaa	aaatactttc	actaaaaagg
151561	agacaggaag	taagaaaaga	tgggagagaa	gatcacaaaa	caaccagaaa	ataaataaca
151621	aaatggcaag	caagtcctta	tttgtcaata	ataatattga	atgtaaatgg	actatactct
151681	ccagtaaaaa	gatacagagt	ggttgaatgg	attaaaaaaa	aggacccaat	gatctgttac
151741	ctacaagaaa	taaacttcac	ttataacaat	acacagacta	aaaataaagt	catgggaaat



FIGURE 4 (cont.'d)

151801	gatactttcac	gacaatggaa	acaaaaaaag	aacaggagta	gctatacctt	tatcagacta
151861	aatagatttc	aagacaaaaa	ttgttaagaa	aaaccaaata	aggtcattat	ataatgataa
151921	agagatcagt	taagcaagag	gatgtaacaa	ttgtaaatat	atatgcactc	aacattggag
151981	cacctagata	aataaaaacaa	atattattag	agctaaagaa	agatagaccc	cctcccccac
152041	aacaataata	gctgtagatt	tcaatgctcc	actttcagca	ttggacagat	ctccagaca
152101	gaaaatcagc	aaggaaacat	cagatgtaat	ctgaactata	gaccaaagg	gcctaataag
152161	tattttacaga	atatttcatc	caaaggttac	agaagacaca	tttttctcct	tagcacatac
152221	atcatttctca	agaacaggcc	atatattagg	tcatgaatca	agtctcaaaa	cattcaaaaa
152281	aactgaaata	atctcaagca	tcttctttga	ccacaatgga	ataaaaactag	aaaccaataa
152341	caaggggaat	tttggaact	atacaaaaac	atggaaatta	aacaatatgt	tcctaataga
152401	taagtgggtc	aatgaagaaa	ttatgaattg	aattgaaaaat	tttctaaaaa	caaatgacaa
152461	tggaaacata	atgcaccaga	acctatggga	tacaacaaaa	gcagtaccaa	gagtgatatt
152521	tccagataag	ggcctacatc	aaaaaggaag	aaaaacttca	agtgaataac	ctgatgatgc
152581	atcttaaaga	attaaaaagg	caagagtaaa	ccaaacccaa	aattagtaga	agaaaagaac
152641	taataaaagat	cacagtagaa	ataaataaaa	ttggacttct	gctccaagat	ggcctaatag
152701	aaacagctcc	agtctgcagc	ttccagcatg	attggcacag	aagatgggtg	atttctgcat
152761	ttccaactga	ggtaccaggt	tcatctcatt	gggactgggt	ggacaatgga	tgacgcccat
152821	ggaggggtgag	gtgaagcagg	gtgaggagtc	acctcacccc	ggaagcacaa	gtgattgggg
152881	gatttccctt	tcctagccaa	gggaagccgt	gacagactgt	acctggaaaa	tcggttcact
152941	cccacccaaa	tactgtgctt	ttcccatagt	cttagcaacc	ggcagaccag	gagatttctt
153001	cccaagccta	gctcatcagg	tcccatgccc	acggagcctg	gctcactgct	agcacagcaa
153061	tctgagatca	acctgcgagg	ctgcagctgg	gtggggggag	gggtgtcagg	cattgctgag
153121	gactgagtag	gtaaaacaaag	tggccaggaa	gctcaaactg	ggcagagccc	accgcagctc
153181	agcaaggcct	actgcctcta	tagattccac	ctctgtgggc	agggcataac	tgaacaaaag
153241	gcagcagaca	acttctgcag	atttaaaccgt	ccctgcctga	cagctctgaa	gagagcagtg
153301	gttgccccag	catggcatct	gagctctgag	aacagacaga	ctgcctcctc	aagtgggtcc
153361	ctaaactcca	tgtagcctaa	ctgggagaca	tctccccata	ggggccgaca	gacacctcat
153421	acaggtgggt	gccactctgg	gacaaagctc	tcagaggaag	gatcaggaag	caatatattgc
153481	tcttctgcaa	tatttctgtg	tctgaagcct	ctgctgggtga	taccacaggc	aacagagtct
153541	ggaatggacc	tccagcaaac	tccagcagac	ctgcagctga	gggacctgac	tgctagaagg
153601	aaaactaaca	aacaaaaagg	aatagcatca	acatcaacaa	aaaggacatt	cacaccaaaa
153661	cctcatctgt	agtcaccaat	atcaaagacc	aaaggtagat	aaaaccacaa	agatggggag
153721	aaaccagagc	agaaaagctg	aaaattctaa	aaactgagca	ccgcttctcc	tccagaggat
153781	tgcaactcct	caccggcaac	ggaatgaagc	tgggtggaga	atgactttga	caagttggca
153841	gaagtaggct	tcagaagggt	ggtaataaca	aactactcca	aactaaagga	gcatgttcta
153901	accctattga	aggaagctaa	aaaaccttca	aaaaagggtta	gacaaaaggc	taactagaat
153961	aaacagtgtg	gagaggaact	taaatgacct	gatggagctg	aaaaccgtgg	catgaggaca
154021	tcatgatgca	tgcaacaagt	taaatagctg	attaaatcaa	gtggaagaaa	gaatatcagt
154081	gactgaagat	caaattaaca	aaataaagca	agaagataag	attagagaaa	aaagagtaaa
154141	aagaaatgaa	aagcacctcc	aagaaatatg	ggactatgtg	aaaaaaccaa	atctacactt
154201	gattgggtgta	cctgaaagtg	atggggagaa	ggaaaccaag	ttggaaaaca	ctcttcagaa
154261	tactatccag	gagaacttcc	ccaaactagc	aaggcaggcc	aacattcaaa	ttcaagaaat
154321	acagagaaca	ccacaaagat	attcctcaag	aagagcaacc	ccaagacaca	taattgtcag
154381	cttcaccaag	gttgaaatga	aggaaaaaaa	tgtaaagggc	agccagagag	aaacgttggg
154441	ttaccaacaa	aggggaagccc	atcagactaa	aagtagctct	ctcagcagac	accctgtaag
154501	ccagaagaga	gtaggggtca	atattcaaca	ttcttaaaga	aaataatttt	caaccagaa
154561	tttcatatcc	agccaaacta	agcttcataa	gtgaaggaga	aataaaatcc	tttacagaca
154621	agcaaagtct	gagagatttt	gtcaccatca	ggcctgcctt	acaagagctc	ctgaaggaaa
154681	cactgaacat	ggaaaggaac	aactgttacc	agccactgca	aaaacacgcc	acattgtaaa
154741	gaccatcgat	gacatgaaga	aactgcaaca	attaactggc	aaaataagca	gctcacagca
154801	taactgacgg	atcaagttca	cacataacaa	tattaacctt	aaatgtaaat	gggtctaatag
154861	cctcaattaa	agacacagac	tggcaaatgt	catagagtca	agacccatca	gtgtgcggta
154921	ttcaggagac	ccatctcaca	tgcaaagaca	cacataggga	tggaggaaga	tccaccaagc
154981	aaatggaaaag	ccaaaaaaaa	aaaaaaaaaa	aaaaaaagca	ggggttgcaa	tcctagtctc
155041	tgataaaaaca	gagttttaaac	caacaaagat	ccaaagagac	aaagaaagcc	attacataat

FIGURE 4 (cont.'d)

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155101	ggtaaaggga	tcaatacaac	aagaagaaca	aactatccta	aatatatatg	caaccaatat
155161	gggagcacc	agattcataa	agcaagtctg	tagagacgta	caaagagatg	tagacttcca
155221	cacaataata	atggggagact	ttaacactcc	actgtcaata	ttagacagat	caatgacaca
155281	gaagggtcac	aaagatatcc	aggacttgaa	ttcagctatt	caccaagtgg	acctaataka
155341	catctacaga	actctacacc	ccaaatcaac	agaatgtaca	tacttctcag	caccacatca
155401	tacttattct	aaaattgacc	acataattgg	aagtaaaaca	ctcctcagca	aatgtaaaag
155461	aacagaaatc	acaacaaact	gtgtctcaga	ctacagtgc	aacaaattag	aactctggat
155521	taataaaact	actcaaaatc	acacaactac	atggaaactg	aataaacctgc	tcctgaatga
155581	ctactgggta	cataatgaaa	tgaaggcaga	aataaagatg	ttctttgcaa	ccaataagaa
155641	caaagacaca	acataccaga	ttctccggga	cacattttaa	gcagtgtgta	caggggaaat
155701	tatagcacta	aatgcccaca	agagaaagca	ggaaagaact	aaaatcaaca	acctaacatc
155761	gcaattaaaa	gaactagaga	agcaagagca	aacacattca	aaagctagca	gaaggcaaga
155821	aataactaag	atcagaacag	aactgaagga	gatagagaca	caaaaagcac	ttcaaaaaaa
155881	tcaatgaatc	caggagctgg	tttttaaaaa	gatcaacaaa	attaatagac	cgctagcaag
155941	aataataaag	aaaagagaga	agaatcaaat	tagactcaat	aaaaaagat	aaaggggata
156001	taccactgga	tcccatagaa	atacaaaacta	ccatcagaga	atactataaa	cacctataga
156061	taaataaaact	agaaaatcta	gaagaagggg	gaggagccaa	gatggccaaa	taggaacagc
156121	tccagtctac	agctcccagc	gtgagtgcga	cagaagacgg	gtgatttctg	catttccatc
156181	tgagggtacc	ggttcatctc	actagggagt	gccagacagt	gggcacagg	cagtgggtgc
156241	gcgcactgtg	tgcgagccaa	tgcaggggtg	ggcgttgctc	cactcgggat	gtgcaagggg
156301	tcagagagtt	cccttttcta	gtcaaagaaa	ggggtgacag	atggcacctg	gaaattcggg
156361	tcactcccac	ctgaatactg	cacttttcca	acgggcttaa	aaaacggcgc	acctggagag
156421	tatatcccg	acctggcttg	gagggctcta	tgcccacgga	gtcttgctga	ttgttagcac
156481	agcagtctga	gatcaaaact	caaggcagcg	gcgaggctgg	gggagggcgc	cctgccattg
156541	cccaggcttg	cttaggtaaa	caaagcagct	gggaacctca	aactgggtgg	atcccaccac
156601	agctcaagga	ggcctgcctg	cctctgtagg	ctccacctct	gggggcaggg	cacaggcaaa
156661	caaaaagaca	gcagtaacca	ctgcagactt	aatgtccct	gtctgacagc	tttgaagaga
156721	gcagtgggtc	tcccagcacg	cagctggaga	tctgagaacg	ggcagactgc	ctcctcaagt
156781	gggtccctga	cccctgaccc	ccgagcagcc	taactgggag	gcattcccgc	gcagaggcag
156841	actgacacct	cacacagccg	ggtactccaa	cagacctgca	gctgaggggc	ctgtctgtta
156901	gaaggaaaac	taacaaaacg	aaggacatcc	acaccaaaaa	cccattctgt	catcaccatc
156961	atcaaagacc	aaaagtagat	aaaaccacaa	agatggggaa	aaaacagagc	agaaaaacta
157021	gaaactctaa	aaggcaaaag	gcctctcctc	ctccaaagga	atgcagtctc	tcaccaggaa
157081	tggaacaaa	ctggacggag	aatgactttg	acgagctgag	agaagaaggc	ttcagatgat
157141	caaattactc	cgaactacgg	gaggacattc	aaaccaaagg	caaagaagtt	gaaaacgttc
157201	aaaaaattta	gaagaatgta	taactagaat	aaccaatata	gagaagtgtc	taaggagctc
157261	gatggagctg	aaaaccaagg	ctcgagaact	acgtgaagac	tcaggagccg	atgcgatcaa
157321	ctggaagaaa	gggtatcagc	gatggaagat	gaaatgaatg	aaatgaatg	agaaggaaa
157381	tttagagaaa	aaagaataaa	aagaaatgaa	caaagcctcc	aagaaatatg	ggactatgtg
157441	aaaagaccaa	atctacatct	gattggcgta	cctgaaagtg	acggggagaa	tggaaccaag
157501	ttggaaaaca	ctctgcagga	tattatccag	gagaacttcc	ccaatctagc	aaggcaggcc
157561	aacattcaga	ttcaggaaat	acagagaacg	ccacaaaagat	actcctcgag	aagagcaaca
157621	ccaagacaca	taattgtcag	attcaccaaa	gttgaaatga	aggaacaat	gttaagggca
157681	gccagagaga	aaggctcggg	tacctcaaaa	gggaagccca	tcagactaac	agcggatctc
157741	tcggcagaaa	ctctacaagc	cagaagagag	tggtggccaa	tattcaacat	tcttaaggaa
157801	aagaattttc	aaaccagaat	ttcatatata	gccaaactaa	gcttcataag	tgaaggagaa
157861	ataaaatcct	ttacagacaa	gcaaagtgtg	agaaattttg	tcaccaccag	gcctgcccta
157921	aaagagctcc	tgaagggaag	gctaaacatg	gaaaggaaca	accggtacca	gccgctgcaa
157981	aatcatgcc	aatgttaaag	accatcgagg	ctaggaagaa	actgcataca	ctaacgagca
158041	aaacaacctg	ctaactcat	aatgacagga	tcaaattcac	acataacaat	attaacttta
158101	catgtaaatg	gactaaatgc	tgcaattaaa	agacacagac	tggcaaatg	cataaagatt
158161	caagaccat	cagtgtgctg	tattcaggaa	acccatctca	cgggcagaga	cacacatagg
158221	ctcaaaaata	agggatggag	gaagacctac	caagcaaatg	gaaaacaaaa	aaaaggcagg
158281	ggttgcaatc	ctagtctctg	ataaaacaga	ctttaaacca	acacagatca	aaagagacaa
158341	agaaggccat	tacttaatgg	taaagggatc	aattcaacaa	gaagagctaa	caatcctaaa

FIGURE 4 (cont.'d)

161701	atgatagact	ggattaagaa	aatgtggcac	atatacacca	tggaatacta	tgcagccata
161761	aaaaaggatg	agttcatgtc	cttttcaggg	acatggatga	agctggaaac	catcattctc
161821	agcaaactat	gacaaggaca	gaaaaccaaa	caccgcatgt	tctcactcat	agatgggaac
161881	tgaacaatga	gaacacttgg	acacagggca	gggaacatca	cacaccaggg	cctgttgggg
161941	ggtggtggac	tgggggagag	atagcattag	gagaaatacc	taatgtaaat	gatgagttga
162001	tggatgcagc	aaaccaacag	ggcacatcta	tacctatgta	agaaacctgc	actttgtgca
162061	caggtaccct	agaacttgaa	gtataataaa	aatgaaaaaa	agaaaatggt	actagcaaat
162121	tgtagatggg	tatacctaata	ataactctgc	atgtgcacta	tgtgtctgga	tacacatgga
162181	aagtattcag	gcatacacac	caaatgtgta	aaataaatcc	ccttccaaca	ttaggagtgg
162241	ctggggagca	gatggctttc	acttccgcac	attccatggt	gccagggtaa	taccacatca
162301	caatagtaaa	tagcaaaaat	aacaacctta	agtttagatt	ttcttatcta	aattttaatt
162361	ctgtgaagaa	gtttccattt	ccctttttca	cacaggatag	tagaatgcag	tttagaaaaga
162421	gtgagatcac	ttgttagact	gtacaatttt	taagcatcag	cgaagtatac	cattaaactt
162481	ctctatcaat	ccattctcta	aacttcccaa	cccaaaaaaa	aagaaacaca	taaaattgaa
162541	attccaaaaa	caatacaaaa	gatcaacaaa	aatgaaagggt	tggcttttta	aagagataaa
162601	caaaattgac	aaatgttttag	ccagactaag	aaaaagagaa	ggcccaataa	aataaaatca
162661	gagatgaaaa	agcagacatt	ataactgata	ctgcggaaat	tcaaaggatc	attaatggct
162721	actatgagca	actgtatgcc	aaacattgga	aaatattgaa	gaaatagata	aattcgtaga
162781	cacacgcaac	ctaacaagat	tcaaccatga	agaaattcaa	aatctgaaca	gacaaaaaac
162841	aagtaacaag	atcaaagcca	taattaaaat	tttcccagca	aagaaaagcc	tgagacccaa
162901	tggtcttact	gctgaattct	atcaaacatt	ttaaagaacta	ataccaatcc	tactcaaact
162961	attccaaaaa	gtagaagagg	agggaaatatt	tccaaactta	ttctatgagg	ccattactgc
163021	tcctatatca	aaaccaagga	cacatcaaaa	aaagaaaact	ataggccaat	atctcacatg
163081	aatattgatg	aatcctcaaa	aaatgctagc	aaactgaatt	caacatcaca	ttaaaaatca
163141	ttcattatga	ccaaatggga	ttatcccag	ggatgcaaat	atggttcaac	atatacacat
163201	cagtcagtgt	aacatatcat	atcaacagaa	tgaagaagaa	aaaccatatg	gtcatgttaa
163261	ttgatgctga	aaaagtattt	gagagaatta	aacatctctt	catgacaaaa	accctcaaaa
163321	acactggaga	cagaaggaac	atacctcaac	acaataaaca	gacatatatg	acgactcac
163381	atctcaaatc	atactaaatg	ggggaataact	gaaagtcatt	cctctaagat	ctggaacaag
163441	acaaggatgc	tcattttcac	cagtgttagt	ggaacatagt	actgaaagtc	ctagctagaa
163501	cagactagag	acagaaataa	ggggcatcca	aactgggaag	agagaagtca	aattaccttt
163561	gttcgcagat	ggtatgatct	tctgtttgga	aaaacctaga	ctccataaaa	aaatgattag
163621	aactgataaa	ttcagtaaaag	tttcaggata	caaaatatac	atacaaaaaat	cagtagcatt
163681	tctatatgtc	aatagcaaac	aatctgaaaa	tgaatcaag	gaagtaatcc	catttcccat
163741	ttgcaatagc	tataaataaa	attaatataa	tctcatctct	tcaataagtg	gtgttgggaa
163801	aactgcatat	ccacatacaa	aagaataaaa	ttagaccctt	ttaatataca	aaactggacc
163861	caagttaata	tacaaaaatt	aacttgaaat	gaattaaaga	cttaaatgta	agatctgaaa
163921	ccaaaaactc	ctagagagaa	acatagggga	aaagctcctt	gacgttggcc	ttggcaataa
163981	ttttttggga	tattacacca	aaagcacaga	cttttgaaaa	aataaacaag	taggactaca
164041	tcaaaactaa	aagcttctgc	atggcaaaag	aaagtcaaca	acatgaaaag	gcaacctaca
164101	gaatggaggg	aaatatttgc	aaacctatata	cctgatgaga	agttaatatc	aaaatataga
164161	aaatatataa	ggaactcaca	tatctcaata	ccaaaaaaat	aataacctgt	tttataatgg
164221	gcaaaggacc	tgaatagaca	ttttttcaaa	gaagacacac	agatggccaa	cgagtgcagg
164281	aaaaagcggt	caacatcact	aatcatcagg	gaaatgcaaa	tcaaaaccac	aatgagatat
164341	cactccacac	ctgttaggaa	agctattatg	aaaaacacaa	gagacaatga	atattggcaa
164401	gggcatggag	aaaaaagaac	ccttgtagac	tgttggtaga	aatgtaaatt	gcaacagcct
164461	ttatggaaaa	tagaatggag	gttcctcaaa	aaataaaaaat	agaactacca	tacaatctag
164521	caattccact	tatgagtgtg	catccaaagg	aatcaaatca	ctatgtcaaa	gagatatctg
164581	tacttccttg	tttattgcag	ctttactcac	agtagccaag	ataaggaaaa	aatctaaatg
164641	tccatcaacg	gataaagaaa	atggggggag	gggtgtgcat	gtatacatac	acaactgact
164701	atttttcagc	cataacaaag	aaggaaaccc	tgccatttgt	gacgatatga	atgaaccag
164761	aggacattat	gttaagttaa	ataagccaga	cacagaaata	caaatattgt	atgatctcat
164821	ttatatgcga	atctaaaaat	ttcaaacttg	aagacgaata	agtagaacag	tatttatcag
164881	gagctagggg	atgtggggaa	gaagcaaaat	attggggcaaa	gagtataaac	tttcagttat
164941	gagatgaagg	ccaggtgcga	tggctcatgt	tggtaatccc	aatactttgg	aaggctgagg

FIGURE 4 (cont.'d)

165001	cagaggggatt	gcttgagacc	agcctaggca	agaaagtgag	acctcatctc	tacaaaaaat
165061	aaaaataaaa	gaatcagctg	ggagtgggtg	catacacctg	tagtcccagc	tagtcaggag
165121	gctgaggggg	gaggatcatt	tgaaattgga	aagtcaaggc	tgagtcagc	caagatagtg
165181	ccactgcatt	gcagcctggg	tgacagagcg	aaaccctgtc	tcaaaaaaaaa	aaaaaaaaaa
165241	aagatgaata	agttctgggg	atcaaagtga	cagcatgggtg	actatagttt	ataactgcgt
165301	tattacttga	aattggataa	gagcagattt	taagcatccc	cagcaccccc	ccaacataca
165361	cacacacaaa	tggtaactat	aggtgggtgat	agatatgtta	atttgactgt	gacaatcagc
165421	attcaatata	tacatatatc	aaatcatcac	attttaccct	ttgaaataga	aactttgatt
165481	tgtcaatcaa	atatttttaa	acgaaaataa	tcataatatt	aatatagcat	acaggaaaaa
165541	atttcgtatc	tcgactgata	cagaaaattt	catgataaaa	acacttttaa	acaaaagaaa
165601	taaaagggaa	ctccctcaac	ctgataaatg	gcactctgtg	aaacccccag	ctagcatcaa
165661	acttaataca	gaaaggctgg	gtgttcacct	cttgaaccag	gaacaagaca	aagatgcctg
165721	cttttgccac	ttccatttga	ccttgtactg	aggttctggc	tagggcaatt	atccctgaaa
165781	aagaaataaa	aggcttccaa	ataaaagaag	aagtaaaact	atctctactc	gctcatgaca
165841	tgatcttgca	tatagaaaat	gtgcacatgt	acacacacac	aaaccattag	aactaataaa
165901	caagttcagc	aagtttgcag	aatataaaat	gaatgtacaa	aatcaagtg	tttttctata
165961	tactagcaat	taacaatctc	aaaatgaatt	aaaattccat	ttacaatagt	atcaaacata
166021	aattattttag	aaataaaaaag	tgacttgaaa	actacaaaat	attttgaaat	aatcagaaa
166081	agattttaagt	aaatggatca	cttgaacctg	ggaagcagag	gttgacgtgt	gccgagattg
166141	taccactgca	ctttagcctg	ggcaacagag	ggagactcca	aagagtcgaa	aagaaaagaa
166201	aagattttaa	taagctgaaa	catattctat	ggatcagaag	acttaattat	gttaaagtga
166261	caatatcccc	caaattgatc	tacagcttca	actcaacccc	tatcaaaatc	ctagcttgct
166321	ttttggctga	aattgacaag	ctgattctat	aattttatat	gaatctcaaa	ggatccagaa
166381	taacccaaac	aatattgaaa	aataaagaac	agcgttggtg	gattaacatt	ttccaatttc
166441	aaaacttact	atagcactgc	ggtaatcaag	cagtgtggca	ctgtatagca	tgtacattac
166501	agatcagtg	actagaatca	atgtccagaa	ataaaaccgt	atgtttataa	tgaattactt
166561	tttaataagg	tgtcaagaca	acgcaatggg	aaaagaataa	tgaattcaac	aattgatgca
166621	tggacaaccg	gacatgcaca	tgcaacacaa	tgaatttgaa	ttcttctatc	gctccatgca
166681	taaaaactaa	ctcaaaatgg	gtcacggatg	taaatgaaaa	gctaaaacta	taataatcct
166741	agaggaaaac	ctaggagtaa	atctttaaga	tgttattgta	ggcagtggtt	tctcagatag
166801	gaccccaaaa	tcacaagcga	caaaagaaat	tggacttaaa	gttaaatact	tttgtgcttc
166861	aaacatcatc	aagaaagtga	aaacacaacc	cgcagaagca	ataaaaaatg	ctgtaagtca
166921	tgtatccgat	tagagacttc	tatccaggat	atataaataa	tgcaattcaa	tgataaaaaa
166981	gataaatagc	ccagttttcc	aaagagtcaa	gcactctgaat	atacatctct	ccaaaaatat
167041	acagatatcc	aacaagcatg	tgaaaagatg	ttcaaagcca	tttgccaggt	gcacaaaccc
167101	agacacagat	gaggagatgc	tacagggact	ctgctgcttc	acagacatga	agcgttggtg
167161	agaatgtagg	cagccgcctt	tggggacttc	acatccccgc	cgccccacgc	acggtgagct
167221	agtgttttaa	cttagccgag	atcaatacac	gcgactgtgt	gcccgtcaga	ccctgcgctg
167281	ccggcggggc	tgggagaggg	gggcgccagg	agtgggcggg	aacctggggg	tcaggcccca
167341	gccgcgggaa	gccgcccagg	agcgcgcgaa	accttctcca	cacccttcca	ggcatttgcc
167401	cgccgcgatt	cagagagccg	acccgtgacc	cctggcctcc	cctagacagc	cccgcagtgc
167461	cagatgtgcc	gtcccgcctg	cctcccgcga	ccactggcca	tctctgggcc	tgggcgcggt
167521	ctcggcgccc	gcctgcccc	gccaggagcc	gcaggtcag	ccagtgaaga	agcccgcgt
167581	gaaggagcct	ctgtgctcca	gaatccatcc	tcagtatcag	cgctgggggtg	gcctcctcca
167641	ggaagccctt	ctgattctct	catgggtcgc	tcttctctctg	cagactcccg	gagcaccctt
167701	gtcccaagta	ccgcaagtgg	cactgagaac	ttggggagag	cagaggctgt	gcctagattt
167761	gtagggagtc	cccgcagctc	caccccgagg	cctacaggag	cctggccttg	ggcgaagccg
167821	aggcaggcag	gcagggcaaa	gggtggaagc	aattcaggag	agaacgagtg	aacgaatgga
167881	tgaggggtgg	cagccgaggt	tgccccagtc	ccctggctgc	aggaacagac	acctcgctga
167941	ggagagaccc	aggagcgagg	ccccctgccc	gcccgaggcg	aggtcccgc	cgtcggcg
168001	cgcgtgaaga	gtgggagaga	atactgcggg	ggcgggggcg	ggggggggcg	cggggggcg
168061	ggccgcgggg	agcctggagc	cagaccgggc	ggggccggca	ccgggcccag	gacagtgggg
168121	gaggaggctg	cgggctgagc	gaccctgacc	ccccccagtc	cgcgctgggt	ccgg

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## APPL PARTS



371P  
PCT Papers in a 371 Application

A...  
Amendment Including Elections

ABST  
Abstract

87-01-02ADS 3  
Application Data Sheet

AF/D  
Affidavit or Exhibit Received

APPENDIX  
Appendix

ARTIFACT  
Artifact

BIB  
Bib Data Sheet

CLM  
Claim

COMPUTER  
Computer Program Listing

CRFL  
All CRF Papers for Backfile

DIST  
Terminal Disclaimer Filed

DRW  
Drawings

FOR  
Foreign Reference

FRPR  
Foreign Priority Papers

IDS  
IDS Including 1449

NPL  
Non-Patent Literature

OATH  
Oath or Declaration

PET.  
Petition

RETMAIL  
Mail Returned by USPS

SEQLIST  
Sequence Listing

SPEC  
Specification

SPEC NO  
Specification Not in English

TRNA  
Transmittal New Application

CTNF  
Count Non-Final

CTRS  
Count Restriction

EXIN  
Examiner Interview

M903  
DO/EO Acceptance

M905  
DO/EO Missing Requirement

NFDR  
Formal Drawing Required

NOA  
Notice of Allowance

PETDEC  
Petition Decision

## OUTGOING



1449  
Signed 1449

892

ABN  
Abandonment

APDEC  
Board of Appeals Decision

APEA  
Examiner Answer

CTAV  
Count Advisory Action

CTEQ  
Count Ex parte Quayle

CTFR  
Count Final Rejection

## INCOMING

AP.B  
Appeal Brief

C.AD  
Change of Address

N/AP  
Notice of Appeal

PA..  
Change in Power of Attorney

REM  
Applicant Remarks in Amendment

XT/  
Extension of Time filed separate

BACKFILE DOCUMENT INDEX SHEET

### Internal

SRNT  
Examiner Search Notes

CLMPTO  
PTO Prepared Complete Claim Set

ECBOX  
Evidence Copy Box Identification

WCLM  
Claim Worksheet

WFEE  
Fee Worksheet

### File Wrapper

FWCLM  
File Wrapper Claim

IIFW  
File Wrapper Issue Information

SRFW  
File Wrapper Search Info